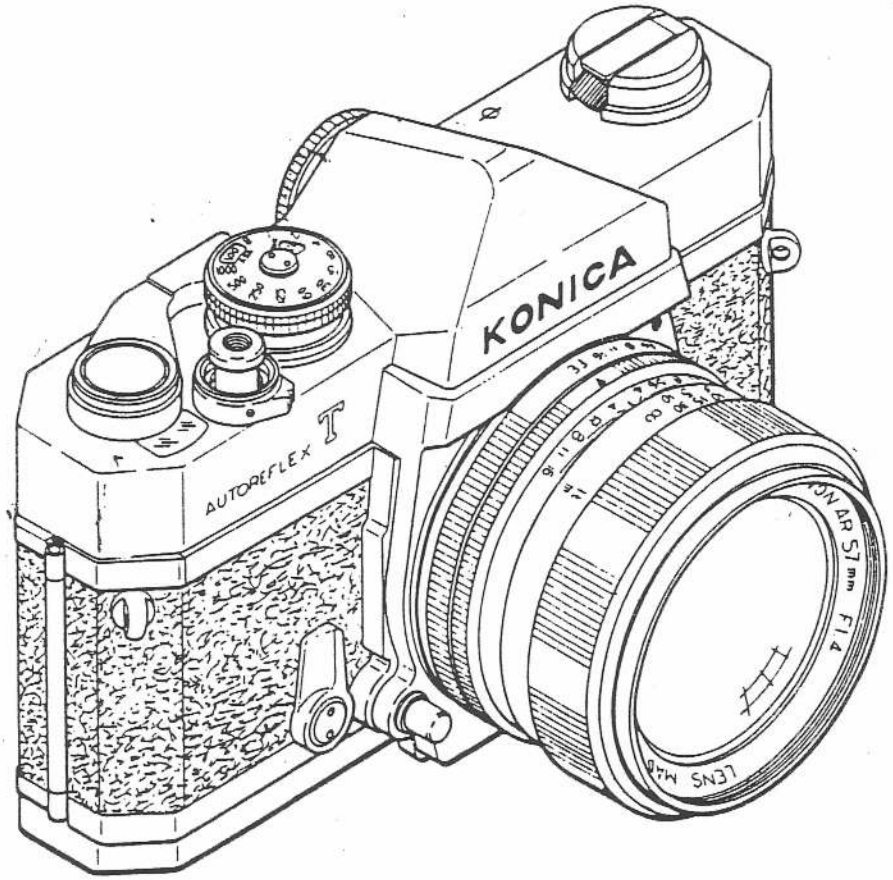
KONICA New AUTOREFLEX T

Technical Illustration with parts list

分解透視図・部品リスト
専用工具図及びリスト



HOW TO MAKE THE BEST USE OF THIS LIST

This list is to be utilized as a guide in disassembling and assembling KONICA NEW AUTOREFLEX T (FTA II in short) and also in ordering as for the supply of parts and ready-made assembled parts your require.

◎ For disassembling KONICA NEW AUTOREFLEX T

In case KONICA NEW AUTOREFLEX T is to be disassembled, the disassembling procedures should follow the order of Fig. No., and figure numbers of each drawing.

Fig. G shows wiring diagram of electronic circuit.

Fig. K shows how to set a yarn, and I shows special tools.

◎ To place an order for parts.

You are requested to indicate on your order sheet the model number, parts number (0××××) given in the second column, and parts name in the third or fourth column of the list so that the correct parts can be shipped to you.

No figure number is required.

◎ To place an order for assembled parts.

You are requested to indicate on your order sheet the model number, the assembled parts number of three figures (×××) given in the second column, and parts name in the third or fourth column of the list so that the correct parts can be shipped to you.

No figure number is required.

◎ Note

This parts list includes the following three kinds of figures.

I) 0××××·····Parts number

II) ×××××·····Parts number of five figures

III) ×××·····Assembled parts number of three figures

I) 0××××

Above group of series numbers are for the parts excluding the parts previously called common parts such as pins, tacks and screws, and this group of parts numbers are consolidated according to the parts of each mechanism, and as regards the parts body, covers, sprocket, etc., the parts numbers are also standardized (fixed).

For example, 05101 stands for the "Top cover" regardless of the model.

Therefore, it is impossible to ship the parts required if you place an order only with the parts number but without indicating the model number (model name).

II) ×××××

The parts such as pins, tacks and screws are called standard parts as they are standardized, and these parts correspond to the parts so far called common parts.

These parts are commonly used for all KONICA cameras regardless of model, that is to say, any of the parts indicated by numbers of five figures can be used with all KONICA models.

III) ×××

Assembled parts are indicated by a group of numbers of three figures.

Each one of three figures stands for:

1.	2.	3.
X	X	X

The first two figures (1.2) show the mechanism in which the parts is included.

For example,

10× Parts related to body mechanism
20× Parts related to winding mechanism
30× Parts related to shutter release mechanism.

IV) ★ Mark given to assembled parts indicates representing number of plural parts which are composed of inseparable parts.

You are requested to indicate on your order sheet the model number (camera name), parts number with ★ mark, and parts name so that the correct parts can be shipped to you.

◎ Column of note

The following four items referred to in the column of note.

1. Availability of special tools.
2. Attention required points when assembling or disassembling the cameras.
3. Availability of designated glue and lubricant.

As regards sections where adhesives/lubricant are to be used, refers to the column "Note" of each list.

Code 0××××

↑ ↑

Code of adhesives/lubricant. The parts to be glued or lubricated.

Code of adhesives/lubricant

Lubricant	Adhesives
EG−4 ·····Ⓔ	Sundine 640 ·····〔S640〕
	Aron alpha 201·····〔A201〕
	Black laquer·····〔BL〕

4. FTA shows that the parts or assembled parts are common to AUTOREFLEX T and NEW AUTOREFLEFLEX T.

Note: Some parts or assembled parts of AUTOREFLEX T and NEW AUTOREFLEX T have same numbers and are so slightly different from each other that they look quite the same.
To prevent confusion in using them in repair work, indicate model number before parts or assembled parts number when request them.

Example : 2315−02001
↑
Model number of AUTOREFLEX T

2355−02001
↑
Model number of NEW AUTOREFLEX T

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
A-1	501	レンズキャップ	Lens cap	07501, 07502	FTA
A-2	HEXANON F1.2 F1.4 F1.8	レンズ	Lens		
A-3	01003	左側光皮	Leather (Left side)		{S640}-01001,05301 FTA
A-4	01002	右側光皮	Leather (Right side)		{S640}-01000,05301,FTA
A-5	05389	穴フサギ板	Plate for covering hole		{S640}-05301,FTA
A-6	63429	M1.7×2.5皿小ネジ	M1.7×2.5 Counter sunk screw		
A-7	06201	底面カバー	Bottom cover		
A-8	06203	ショート防止黒紙	Insulating black sheet		{S640}-01001,FTA
A-9	06204	底面光線止め	Light tight (Bottom cover side)		{S640}-06201,FTA
A-10	02410	巻戻しハンドル止めビス	Set screw for rewind knob		{S640}-02403,FTA
A-11	02403	巻戻しハンドル	Rewind knob		FTA
A-12	02401	巻戻し軸	Rewind spindle		Ⓔ-02402
A-13	02409	巻戻しフリクションバネ座金	Friction spring washer		FTA
A-14	02408	巻戻しフリクションバネ	Friction spring		FTA
A-15	15259	M1.4×1.4薄平小ネジ	M1.4×1.4 Thin flat screw		FTA
A-16	02407	レバー用バネ	Rewind spring		FTA
A-17	02411	平行ピン	Straight pin		FTA
A-18	02404	巻戻しレバー	Rewind crank		Ⓔ-02405,FTA
A-19	02412	巻戻しつまみ止めネジ	Set screw for rewind handle		FTA,left hand screw 左ねじ
A-20	02405	巻戻しつまみ	Rewind handle		FTA
A-21	04105	シャッター数値板取付ネジ	Set screw for shutter speed plate		Special tool⑤, FTA
A-22	04104	シャッター数値板	Shutter speed plate		
A-23	04106	ASA数値板座金	ASA plate washer plate		FTA
A-24	04107	ASA数値板	ASA plate		

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
A-25	45289	E型止め輪E-28	E-ring E-28		
A-26	04108	ASA板ストップ板	ASA plate limiting stopper		FTA
A-27	04109	ASA切換用バネ	Spring for changing film sensibility		
A-28	04101	シャッターダイヤル	Shutter dial		
A-29	04103	シャッターダイヤル用ネジ	Screw for shutter dial		FTA
A-30	04111	ASA切換爪リング	Claw ring for changing ASA		
A-31	04135	ASAストップネジ	ASA stopper		
A-32	61344	M1.4×4.0平小ネジ	M1.4×4.0 Flat screw		
A-33	04128	シャッターダイヤル止めリング	Set ring for shutter dial		
A-34	04134	ASA切換爪リング	Claw for changing ASA		FTA
A-35	02005	巻上げレバー止めネジ	Top screw for wind lever		Special tool ⑦, FTA
A-36	02006	巻上げレバーフリクションバネ	Friction spring for wind lever		FTA
A-37	02001	巻上げレバー	Wind lever		
A-38	02007	巻上げ補強板	Winding torque plate		FTA
A-39	05111	ファインダーカバーナット	Nut for setting top cover		Special tool ①, FTA
A-40	511 a	ファインダーカバー	Top cover sub-assembly	03001, 03002 03004, 03012 (03014), 03013(03026 (2)), 03015	For Autoreflex-T (Export model) (輸出向)
A-40	511 b	ファインダーカバー	Top cover sub-assembly	03028, 04112 04119, 05101 05102, 05103 05104, 05217 16304(3), 51169	For FTA (Domestic model) (国内向)
A-41	05216	接眼枠	Eyepiece frame		
A-42	05226	アイピースガラス	Eyepiece glass		
A-43	05229	アイピースガラス止めバネ	Set spring for eyepiece glass		
A-44	06015	蝶番止めネジ	Hinge set screw		FTA

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
A-45	601	裏蓋	Backlid sub-assembly	06001, 06002 06003, 06004 (4), 06005(4), 06010(2), 06011, 06013 06014, 06016 06017, 91118	

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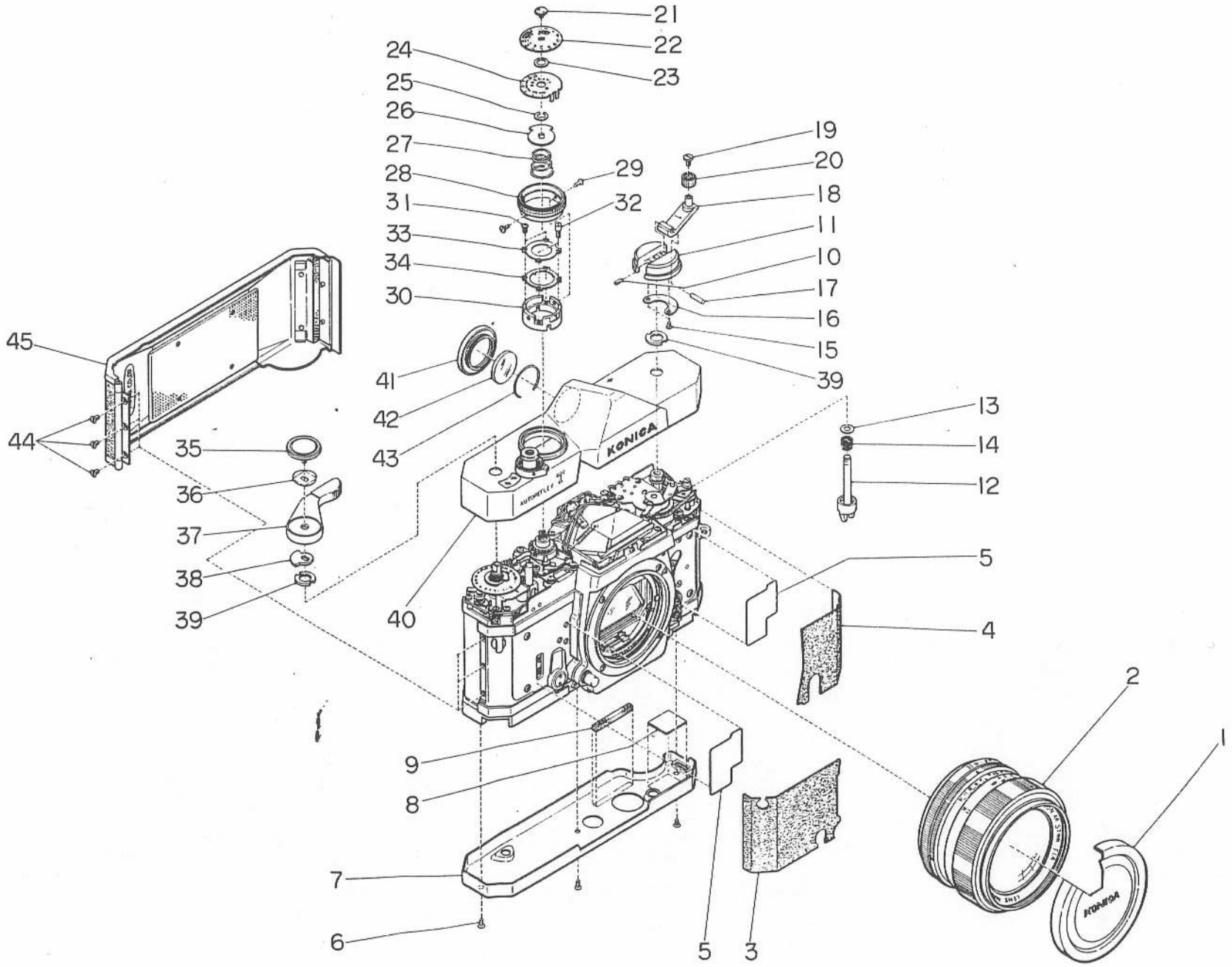
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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
B-1	61444	M1.7×3.0平小ネジ	M1.7 ×3.0 Flat screw		
B-2	08234	リード線押え	Lead wire holder		
B-3	411	シャッターダイヤル軸	Shutter dial shaft sub-assembly	04110, 04113 04114, 04122 04123, 04124 04125, 04127 04133, 04136 04137, 08228 08229, 08230 (2), 08231(2), 51209, 61344 (2), 63315(2)	04114と04137は調整用座金で，員数は不定です。 04114 and 04137 are adjusting washers. Quantities are not certain.
B-4	08054	Tプーリー補助バネ	Complementary spring		FTA
B-5	61344	M1.4×4.0平小ネジ	M1.4×4.0 Flat screw		
B-6	821	露出計（受光部）	Exposure meter (CdS sub-assembly)		
B-7	05224	アイピース止めネジ	Set screw for eyepiece		FTA
B-8	*05214	アイピース	Eyepiece	05214, 05215	FTA
B-9	05223	アイピースワッシャー	Eyepiece washer		FTA
B-10	05218	ペンタ押えバネ	Spring for holding penta-prism		FTA
B-11	05206	ペンタ押え	Penta-prism holder		FTA
B-12	61424	M1.7×2.5平小ネジ	M1.7×2.5 Flat screw		
B-13	*05203	ペンタプリズム	Penta-prism	05202, 05203 05204, 05205 05220	
B-14	08088	T目盛枠	Shutter speed frame		
B-15	05219	ペンタ枠止めネジ	Set screw for penta-prism frame		
B-16	61344	M1.4×4.0平小ネジ	M1.4×4.0 Flat screw		
B-17	05201	ペンタ枠	Penta-prism frame		
B-18	65395	M1.7×1.8薄平小ネジ	M1.7×1.8 Thin flat screw		
B-19	61444	M1.7×3.0平小ネジ	M1.7×3.0 Flat screw		
B-20	812	連動保持板	Support plate for pursued gear sub-assembly	08069, 08072 08073, 08075 08086	

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assendly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
B-21	813	速度表示板	Plate for indicating shutter speed sub-assembly	08067, 08074 08078(2), 08089	
B-22	08073	プーリー止めネジ	Set screw for pulley		
B-23	08077	プーリーA	Pulley A		
B-24	814	速度目盛板	Belt for indicating shutter speed sub-assembly	08083,08084	
B-25	05232	防塵パッキン	Dust proof packing		(S640)-05201
B-26	65575	M2×30薄平小ネジ	M2×3.0 Thin flat screw		
B-27	65605	M2×4.5 薄平小ネジ	M2×4.5 Thin flat screw		
B-28	61584	M2×3.5 平小ネジ	M2×3.5 Flat screw		
B-29	04002	シャッター取付ネジB	Set screw B for shutter		
B-30	04003	六角ナット	Nut		FTA
B-31	402	シャッター	Shutter sub-assembly	401, 04004(2)	
B-32	08301	電池蓋	Battery cap		FTA
B-33	08351	水銀電池	Mercury battery		FTA
B-34	65484	M1.7×5.0薄平小ネジ	M1.7×5.0 Thin flat screw		
B-35	08308	電池ケースネジ	Battery case screw		FTA
B-36	831	バッテリーケース	Battery case sub-assembly	08302, 08304 08305, 08306	
B-37	08310	プラス接片	Plas rog plate		FTA
B-38	08311	プラスリード線	Plus lead wire		
B-39	65465	M1.7×4.0薄平小ネジ	M1.7×4.0 Thin flat screw		
B-40	08401	チェックスイッチ	Battery check switch		FTA
B-41	23390	特M1.4×2.8皿小ネジ	M1.4×2.8 Special counter sunk screw		
B-42	08402	チェックスイッチ基板	Base plate for check switch		FTA
B-43	08403	チェック接片	Battery check contact plate		FTA
B-44	08406	チェック釦	Battery check button		FTA

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
B-45	25290	特M1.4×2.2薄平小ネジ	M1.4×2.2 Special thin flat screw		
B-46	08405	固定接片	Fix contact plate		FTA
B-47	08312	マイナスリード線A	Minus-lead wire A		
B-48	08313	チェックリード線	Battery check lead wire		
B-49	08314	マイナスリード線B	Minus-lead wire B		
B-50	08404	マイナス接点	Minus-contact point		FTA
B-51	63474	M1.7×4.5皿小ネジ	M1.7×4.5 Counter sunk screw		
B-52	06202	三脚ネジ	Tripod socket		FTA
B-53	08066	長平小ネジ	Long flat screw		
B-54	61424	M1.7×2.5平小ネジ	M1.7×2.5 Flat screw		
B-55	08057	調整板止めナット	Nut for setting regulating plate		Special tool ⑥, FTA
B-56	08034	補助バネ掛け	Complementary spring stud		FTA
B-57	804	調整板	Regulating plate	08032, 08033 08051, 08053	
B-58	61424	M1.7×2.5平小ネジ	M1.7×2.5 Flat screw		
B-59	08315	リード線押え	Lead wire holder		
B-60	65484	M1.7×5.0薄平小ネジ	M1.7×5.0 Thin flat screw		
B-61	08407	チェック抵抗板	Check resister plate		
B-62	63315	M1.4×2.8皿小ネジ	M1.4×2.8 Counter sunk screw		
B-63	06102	締り爪覆り板	Lock claw cover		FTA
B-64	06104	締り爪バネ	Lock claw spring		FTA
B-65	06101	締り爪	Lock claw (Body side)		Ⓔ-06102, 01001, FTA
B-66	61444	M1.7×3.0平小ネジ	M1.7×3.0 Flat screw		
B-67	231	指数器	Film counter sub-assembly	02301~02318 03022, 03023 03024, 03025 08227, 45589 61424	

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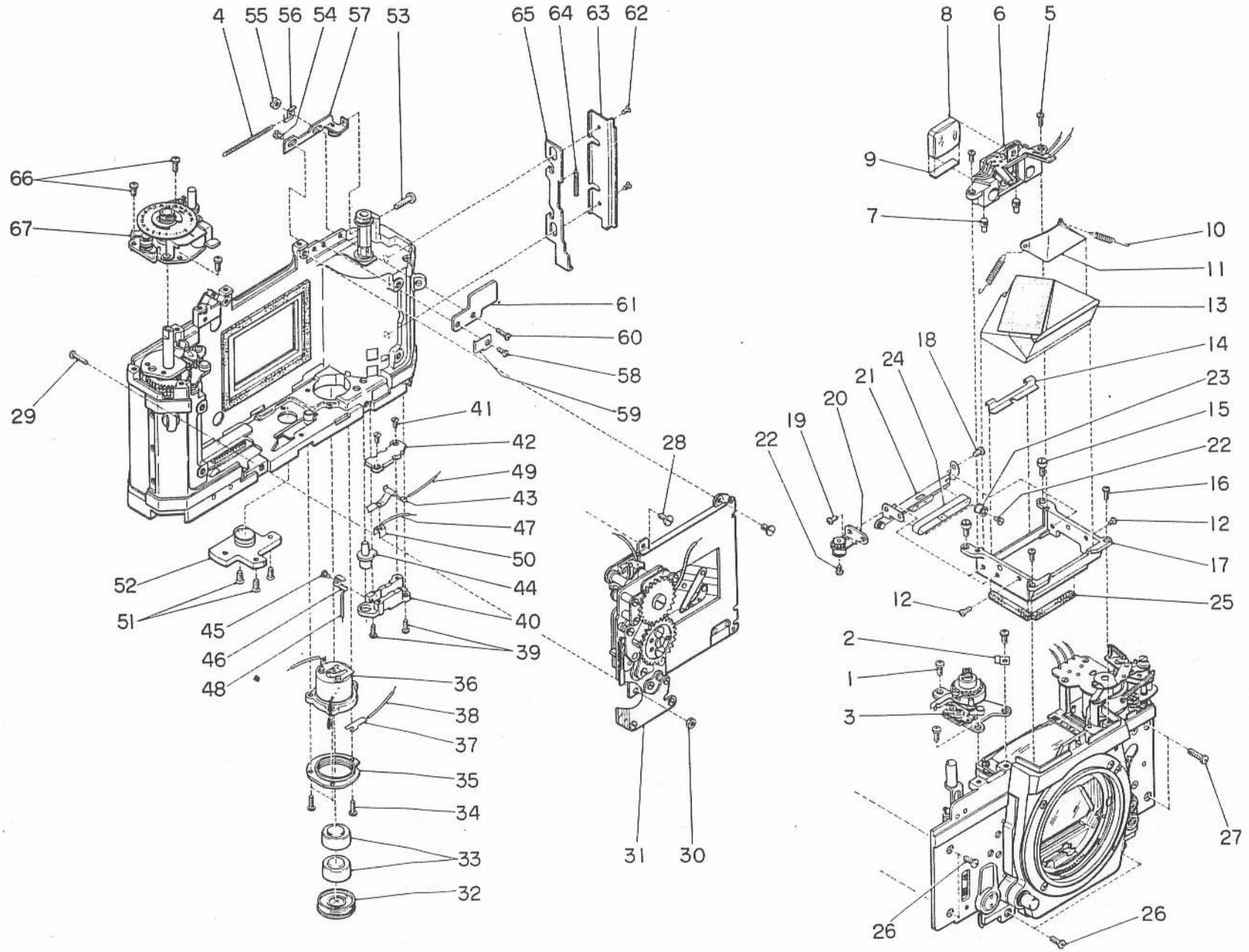
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Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
C-1	45209	E型止メ輪E-20	E ring E-20		
C-2	02032	巻上げリンク	Connector for shutter setting		Ⓔ-02033, 209
C-3	02012	巻上げ規制板止めネジ	Set screw for winding regulating ratchet		(S640)-02058, FTA
C-4	207	二重巻上げストップ板	Plate stopping double wind sub-assembly	02033, 02058	
C-5	02034	規制板座金	Washer for regulating ratchet		FTA
C-6	02011	巻上げ規制板	Winding regulated ratchet		
C-7	02021	巻上げ軸ガタ取り座金	Washer		02021 (t=0.1) 02030 (t=0.2)
C-8	02018	巻上げ軸復元バネ掛けA	Spring stud A		FTA
C-9	02017	巻上げ軸復元バネ	Recoiling spring for winding		Special tool ⑧, FTA
C-10	63425	M1.7×2.5皿小ネジ	M1.7×2.5 Counter sunk screw		
C-11	02004	巻上げ下部軸受	Lower metal for wind shaft		FTA
C-12	201	巻上げ軸	Wind shaft sub-assembly	02002, 02016 02022(02076) 02023, 02024 02026, 02077	Ⓔ-02004, 231
C-13	02020	巻上げカム	Wind cam		Ⓔ-206, FTA
C-14	61444	M1.7×3.0平小ネジ	M1.7×3.0 Flat screw		
C-15	206	巻上げ歯車地板	Base plate for wind gear sub-assembly	02003, 02036 02037, 02038 02039, 02041 02042, 02043 02044, 02045 02046(2), 02047(2), 02075, 02322 03029	
C-16	02031	リール歯車	Spool gear		Ⓔ-02028, 206, FTA
C-17	02028	リール歯車座金	Spool gear washer		FTA
C-18	02069	リール座金	Spool washer		FTA
C-19	02067	リール内筒	Inner spool		FTA

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
C-20	02027	リール外筒	Outer spool		FTA
C-21	02068	リールバネ	Spool spring		
C-22	02029	リールフリクションバネ	Friction plate		Ⓔ-02067
C-23	02207	スプロケット軸止めレバー軸	Stop lever center for sprocket shaft		
C-24	02208	スプロケット軸止めレバーバネ	Stop lever spring for sprocket shaft		
C-25	02206	スプロケット軸止めレバー	Stop lever for sprocket shaft		Ⓔ-02207, FTA
C-26	45249	E型止メ輪E-24	E ring E-24		
C-27	02209	スプロケット座金	Sprocket washer		FTA
C-28	02205	スプロケットバネ	Sprocket coil spring		FTA
C-29	02204	スプロケットネジ	Sprocket screw		FTA
C-30	221	スプロケット軸	Sprocket shaft sub-assembly	02202, 02210	Ⓔ-01001, 02203
C-31	02203	スプロケット歯車	Sprocket gear		Ⓔ-206
C-32	02201	スプロケット	Sprocket		FTA
C-33	02053	巻上げラックガイド軸	Guid pin for wind rack		FTA
C-34	61584	M2×3.5 平小ネジ	M2×3.5 Flat screw		
C-35	02052	巻上げラック押え板	Guide plate for wind rack		
C-36	209	巻上げラック	Wind rack sub-assembly	02050(02051) 02057, 02060	Ⓔ-01001, 02052, 02053
C-37	45179	E型止メ輪E-17	E ring E-17		
C-38	02055	二重巻上げストッパー外しレバー	Release lever for double wind prevention stopper		Ⓔ-101
C-39	02056	二重巻上げストッパーバネ	Spring for double wind prevention stopper		
C-40	02064	外しレバーバネ	Spring for release lever		FTA
C-41	02015	二重巻上げストッパー軸	Center for double wind prevention stopper		
C-42	208	二重巻上げストッパー	Double wind prevention stopper sub-assembly	02035, 02054	Ⓔ-02015
C-43	03008	レリーズ安全レバー軸	Center for lever regulating release		FTA

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Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
C-44	03009	レリーズ安全レバーバネ	Spring for lever regulating release		FTA
C-45	03007	レリーズ安全レバー	Lever regulating release		Ⓔ-03008, FTA
C-46	02019	規制爪取付ネジ	Set screw for wind regulation claw		FTA
C-47	02013	規制爪軸	Screw for wind regulation claw		FTA
C-48	02014	規制爪	Wind regulation claw		Ⓔ-02013
C-49	02070	規制爪バネ	Spring for windregulation claw		FTA
C-50	02065	規制爪バネ掛け	Spring stud for wind regulation claw		FTA
C-51	02025	戻しバネ掛け	Returing spring stud		FTA
C-52	01013	吊環金具止めネジ(a)	Set screw (a) for strap eyelet		{S640}-01001, 01004, FTA
C-53	01015	吊環金具止めネジ(b)	Set screw (b) for strap eyelet		{S640}-01001, 01004, FTA
C-54	01004	吊環金具	Strap eyelet		{BL}-01001, FTA
C-55	63444	M1.7×3.0皿小ネジ	M1.7×3.0 Counter sunk screw		
C-56	805	T連動プーリー	T pulley sub-assembly	08030, 08037 08048, 08049	
C-57	08036	Tプーリー軸	T pulley center		FTA
C-58	08048	T連動Aプーリー	T pulley		Ⓔ-08036, FTA
C-59	01006	蝶番側光線止め	Light tight (Hinge side)		{S640}-01001, FTA
C-60	01008	本体溝光線止め	Light tight (Body groove)		{S640}-01001, FTA
C-61	06103	締り爪案内ネジ	Lack claw guide		FTA
C-62	01016	シャッター裏側光線止め	Light tight (Back side of shutter)		{S640}-01001, FTA
C-63	101	本体	Body sub-assembly	01001, 02062 (2), 02402	

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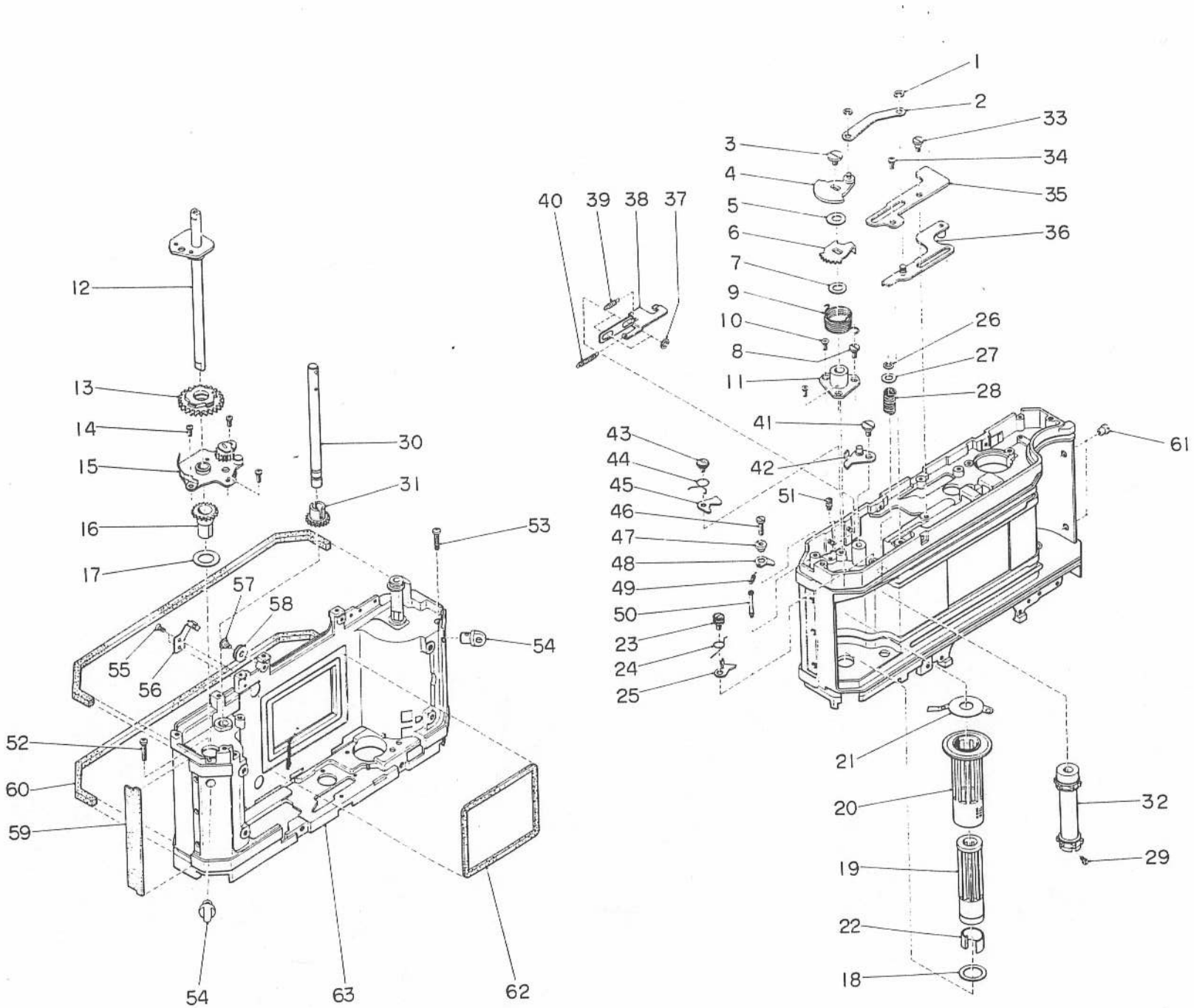
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D 製番 2355

1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
D-1	63444	M1.7×3. 皿小ネジ	M1.7×3.0 Counter sunk screw		
D-2	821	露出計(メーター部)	Exposure meter (Meter sub-assembly)		
D-3	11470	M1.7×4.5平小ネジ	M1.7×4.5 Flat screw		
D-4	05231	フレネル枠取付ネジ	Set screw for fresnel frame		FTA
D-5	05207	フレネル枠	Fresnel frame		
D-6	11400	M1.7×2.0平小ネジ	M1.7×2.0 Flat screw		
D-7	05213	コンデンサー押えB	Condenser holder B		
D-8	05221	フレネル支持板	Fresnel holder		
D-9	05211	ピント調整ネジA	Focus adjust screw		FTA
D-10	05222	コンデンサー押え止めネジ	Set screw for condenser holder		FTA
D-11	05212	コンデンサー押えA	Condenser holder A		
D-12	05209	コンデンサー	Condenser lens		
D-13	05210	中間座金	Mid washer		
D-14	05208	フレネルレンズ	Fresnel lens		
D-15	05227	防塵テープ	Tape for dust proof		FTA
D-16	05401	マウント座	Lens mount		
D-17	65619	M2×5.0 薄平小ネジ	M2×5.0 Thin Flat screw		
D-18	61309	M1.4×2.5平小ネジ	M1.4×2.5 Flat screw		
D-19	05402	マウントバネ	Mount spring		FTA
D-20	05417	マウント音止め	Neopuren stopping sound		(S640)-05401
D-21	05409	フランジバック調整座金	Regulating washer for frange back		FTA, 05410~05416 are are available.
D-22	65395	M1.7×1.8皿小ネジ	M1.7×1.8 Counter sunk screw		
D-23	61309	M1.4×2.5平小ネジ	M1.4×2.5 Flat screw		
D-24	538	前面カバー	Front cover sub-assembly	05386, 05387 08019	
D-25	08020	絞りリング受け止めネジ	Set screw Aperture ring cover		FTA
D-26	08008	絞りリング受け	Aperture ring cover		

D 製番 2355

1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sab-assembly name	Camponents	Note
D-27	*08006	絞りリング	Aperture ring	08006, 08007 08019	FTA
D-28	08041	バネ掛けA	Spring stud A		FTA
D-29	08011	爪取付けネジ	Claw set screw		
D-30	08012	絞りリング爪スプリング	Spring for aperture ring claw		
D-31	811	絞りリング爪	Aperture ring claw	08009, 08081	
D-32	05385	セルフレバー止めネジ	Set screw for self-timer lever		FTA (S640)-598 Special tool ④
D-33	05380	セルフレバー	Self-timer lever		FTA
D-34	598	セルフ軸	Self-timer shaft sub-assembly	05383, 05384	
D-35	111	シンクロソケット	Synchro socket sub-assembly	01102(2), 01103(2), 01104(2), 01105(2)	Special driver ③, FTA
D-36	08017	オートマニアル切替止めネジ	Set screw for auto-manual change		FTA
D-37	801	オートマニアル切替ピン	Auto-manual change pin sub-assembly	08013, 08014 08016, 08038	Instead of 08014, 08060 is also available. Ⓔ-45301
D-38	08025	オートマニアル切替ピン調整座金	Regulation washer for auto-manual change		08070 (t=0.05) is also available.
D-39	*08015	オートマニアル切替軸	Shaft changing auto-manual	08015, 08018	FTA
D-40	08024	地板止めネジ	Set screw for base plate		FTA
D-41	08023	オートマニアル切替表示板	Expression plate of auto-manual change		Ⓔ-08024
D-42	08021	切替表示バネ	Spring for expression plate		
D-43	63294	M1.4×2.2皿小ネジ	M1.4×2.2 Counter sunk screw		
D-44	05345	フレネル枠台B	Support B for fresnel frame		
D-45	05230	ピント調整ネジ	Focus adjust screw		FTA
D-46	08063	F値調整地板止めネジ	Set screw for plate regulating F-value		FTA

D 製番 2355

1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
D-47	08064	F値調整地板止めネジB	Set screw B for plate regulating F-value		FTA
D-48	807	F値調整地板	Plate regulating F-value	08035, 08062 08065, 08090	FTA

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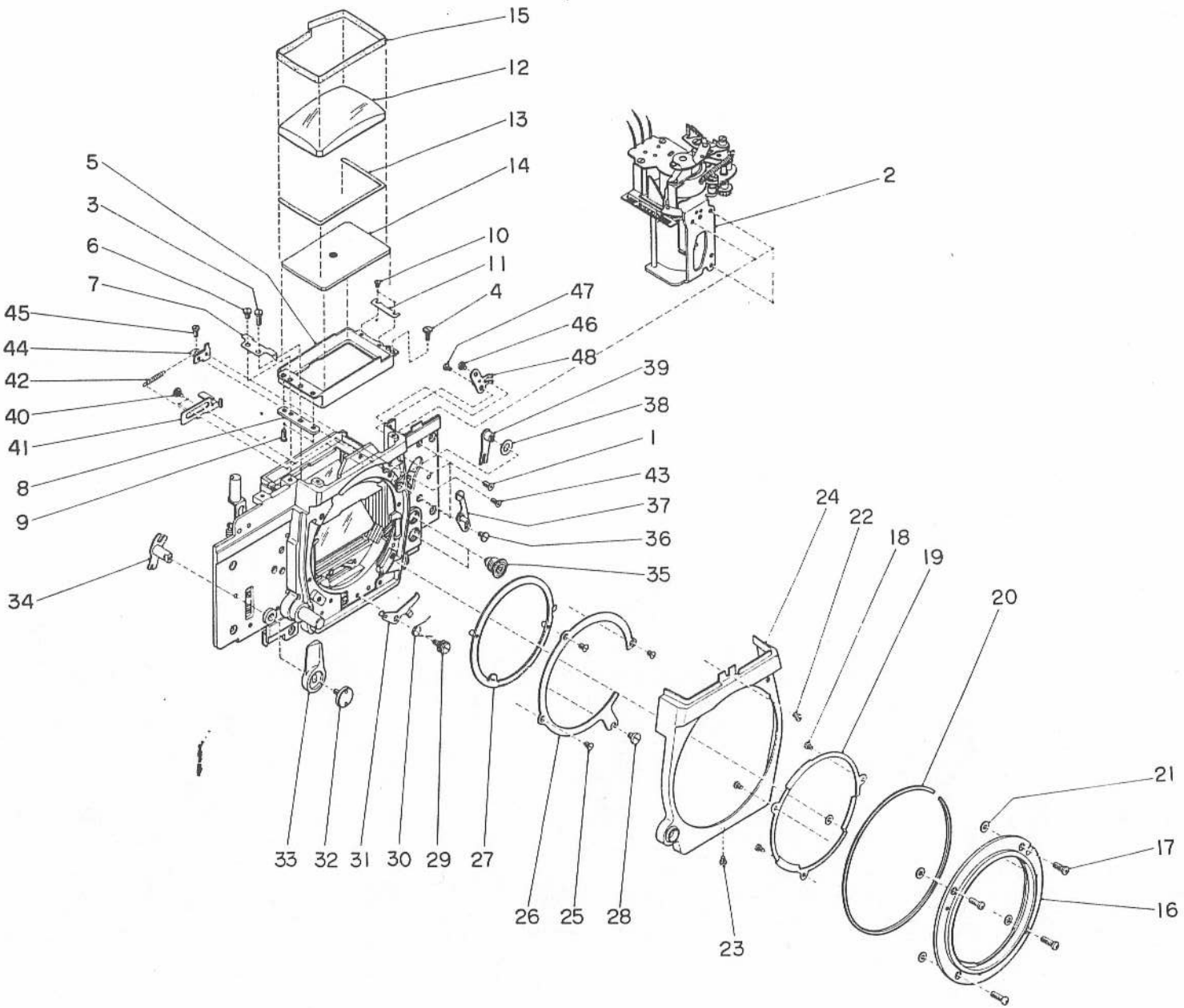
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E 製番 2355

1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
E-1	03011	レリーズバネ	Release spring		
E-2	08003	作動レバーAバネ	Working lever A spring		FTA
E-3	03027	レリーズレバー軸	Release lever center		FTA
E-4	301	レリーズレバー	Release lever sub-assembly	03003, 03005 03006, 03018 08005	Instead of 03018, 03019 and 03020 are available. Ⓔ-03027
E-5	05396	ミラー復座レバー軸	Shaft for mirrer restoring		
E-6	05362	ミラー復座レバーバネ	Spring for mirror restoring lever		
E-7	535	ミラー復座レバー	Mirror restoring lever sub-assembly	05361, 05364 (2)	Ⓔ-05396
E-8	05306	ミラー作動レバーAバネ	Spring for mirror working lever A		
E-9	05317	ミラー作動レバーA止めネジ	Set screw for mirror working lever A		
E-10	593	ミラー作動レバーA	Mirror working lever A sub-assembly	05314, 05322 05368	Ⓔ-05317
E-11	05335	座金	Washer		FTA
E-12	05505	タンブラーバネ	Tumbler spring		Ⓔ-534
E-13	05506	タンブラー板止めネジ	Set screw for tumbler plate		
E-14	551	タンブラー	Tumbler sub-assembly	05503, 05504	Ⓔ-05506, 531
E-15	45179	E型止メ輪E-17	E ring E-17		
E-16	05330	自動絞りワッシャー	Washer for automatic aperture control		05369 (t=0.2) is also available.
E-17	534	チャージアーム	Charge arm sub-assembly	05304(2), 05327 05349, 05350 05352, 05356 05357, 05501	Ⓔ-531
E-18	533	自動絞り	Automatic aperture control sub-assembly	05325, 05336 05337, 05341 05342, 05343 05344, 05346 05348, 05358	Ⓔ-531
E-19	05319	ミラー作動レバーB止めネジ	Set screw for mirror working lever B		
E-20	05347	ロック爪外しレバー	Lever for removing claw		Ⓔ-05319
E-21	05388	手動絞りレバーA軸	Shaft for manual aperture lever A		FTA

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
E-22	05372	手動絞りバネ	Manual aperture spring		FTA
E-23	05367	手動絞りレバーA	Manual aperture lever A		Ⓔ-05388, FTA
E-24	03027	レリーズレバー軸	Release lever center		FTA
E-25	595	手動絞り	Manual aperture sub-assembly	05381, 05394	Ⓔ-03027, FTA
E-26	05365	手動絞り座金	Manual aperture washer		FTA
E-27	05379	レリーズレバーCバネ	Spring for release lever C		
E-28	05397	レリーズレバーB軸	Shaft for release lever B		
E-29	05359	レリーズレバーC	Release lever C		Ⓔ-05397
E-30	05395	レリーズレバーB	Release lever B		Ⓔ-05397
E-31	05399	レリーズレバーA軸	Shaft for reiease lever A		
E-32	532	レリーズレバーA	Release lever A sub-assembly	05391, 05393	Ⓔ-05399
E-33	05371	巻上げ解除レバー軸	Shaft for wind release lever		FTA
E-34	05370	巻上げ解除レバー	Wind release lever		Ⓔ-05371, 535, FTA
E-35	65414	M1.7×2.2薄平小ネジ	M1.7×2.2 Thin flat screw		
E-36	596	連動レバーA	Pursued lever A sub-assembly	05373, 05374 05375, 05377	
E-37	05366	手動絞り釦	Manual aperture control button		Ⓔ-531, FTA
E-38	08002	レバー軸	Lever shaft		FTA
E-39	809	絞りリング作動レバー	Aperture ring working lever sub-assembly	08001, 08004	Ⓔ-08002
E-40	61424	M1.7×2.5平小ネジ	M1.7×2.5 Flat screw		
E-41	591	連動レバーB	Pursued lever B sub-assembly	05376, 05378 05392	
E-42	05321	シャッターレリーズレバー軸	Shaft for shutter release lever		
E-43	05323	シャッターレリーズレバー	Shutter release lever		Ⓔ-05321
E-44	05319	ミラー作動レバーB止めネジ	Set screw for mirror working lever B		
E-45	592	ミラー作動レバーB	Mirror working lever B	65315, 05322	Ⓔ-05391

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
E-46	05335	座　金	Washer		FTA
E-47	05318	ミラー作動レバーバネ掛け	Spring stud for mirror working lever		
E-48	05398	レリーズレバーBバネ	Release lever B spring		
E-49	61424	M1.7×2.5平小ネジ	M1.7×2.5 Flat screw		
E-50	05312	ゴム押え板	Supporting plate for damper		
E-51	05360	ストッパーゴム	Damper		
E-52	61424	M1.7×2.5平小ネジ	M1.7×2.5 Flat screw		
E-53	08052	F値プーリー地板用座金	Washer for F-value pulley plate		
E-54	08055	F値プーリー地板	F-value pulley plate		
E-55	61444	M1.7×3.0平小ネジ	M1.7×3.0 Flat screw		
E-56	08031	F値プーリー軸A	Shaft for F-value pulley A		
E-57	08035	F値連動Aプーリー	F-value pulley A		FTA
E-58	08056	紐外れ防止板C	Protecter C of string		
E-59	05408	レンズ止め金具軸	Shaft for lens set metal		
E-60	05407	レンズ止め金具バネ	Spring for lens set metal		
E-61	05405	レンズ止め金具	Lens set metal		Ⓔ-05408
E-62	05406	レンズ止め金具バネ掛け	Spring stud for lens set metal		
E-63	05404	レンズ着脱釦	Button for lens change		Ⓔ-531
E-64	08045	連結レバー軸	Shaft for Connecting lever		
E-65	806	連結レバー	Connection lever sub-assembly	08043, 08044 08046, 08047 08058, 08059	Ⓔ-08045
E-66	08028	F値レバー止めネジ	Set screw for F-value lever		FTA
E-67	802	F値レバー	F-value lever sub-assembly	08026, 08027 08050, 65414	Ⓔ-08028, FTA
E-68	02025	戻しバネ掛け	Returing spring stud		FTA
E-69	05318	ミラー作動レバーバネ掛け	Spring stud for mirror working lever		

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
E-70	45179	E型止め輪E-17	E ring E-17		
E-71	05414	フランジバッグ調整座金	Regulating washer for frange back		FTA 05409～05416 (t=0.03～0.4)
E-72	05338	ミラー保持バネ	Spring supporting mirror		
E-73	05324	ミラー保持バネ掛け	Stud for spring supporting mirror		
E-74	45135	E型止め輪E-13	E ring E-13		
E-75	537	ミラー	Mirror sub-assembly	05303, 05305 05307(05309 (4), 05326, 05328),05310 (2), 05313, 05333	
E-76	45105	E型止め輪E-10	E ring E-10		
E-77	539	ミラー枠ささえ板	Supporting plate for mirror frame sub-assembly	05316(05320) 05329	Ⓔ-531
E-78	65395	M1.7×1.8薄平小ネジ	M1.7×1.8 Thin flat screw		
E-79	05363	遮光枠	Light shield frame		
E-80	531	ミラーボックス	Mirror box sub-assembly	03010, 05301 05302, 05308 (2), 05311, 05331, 05332 05339, 05340 05354, 05502 06205	

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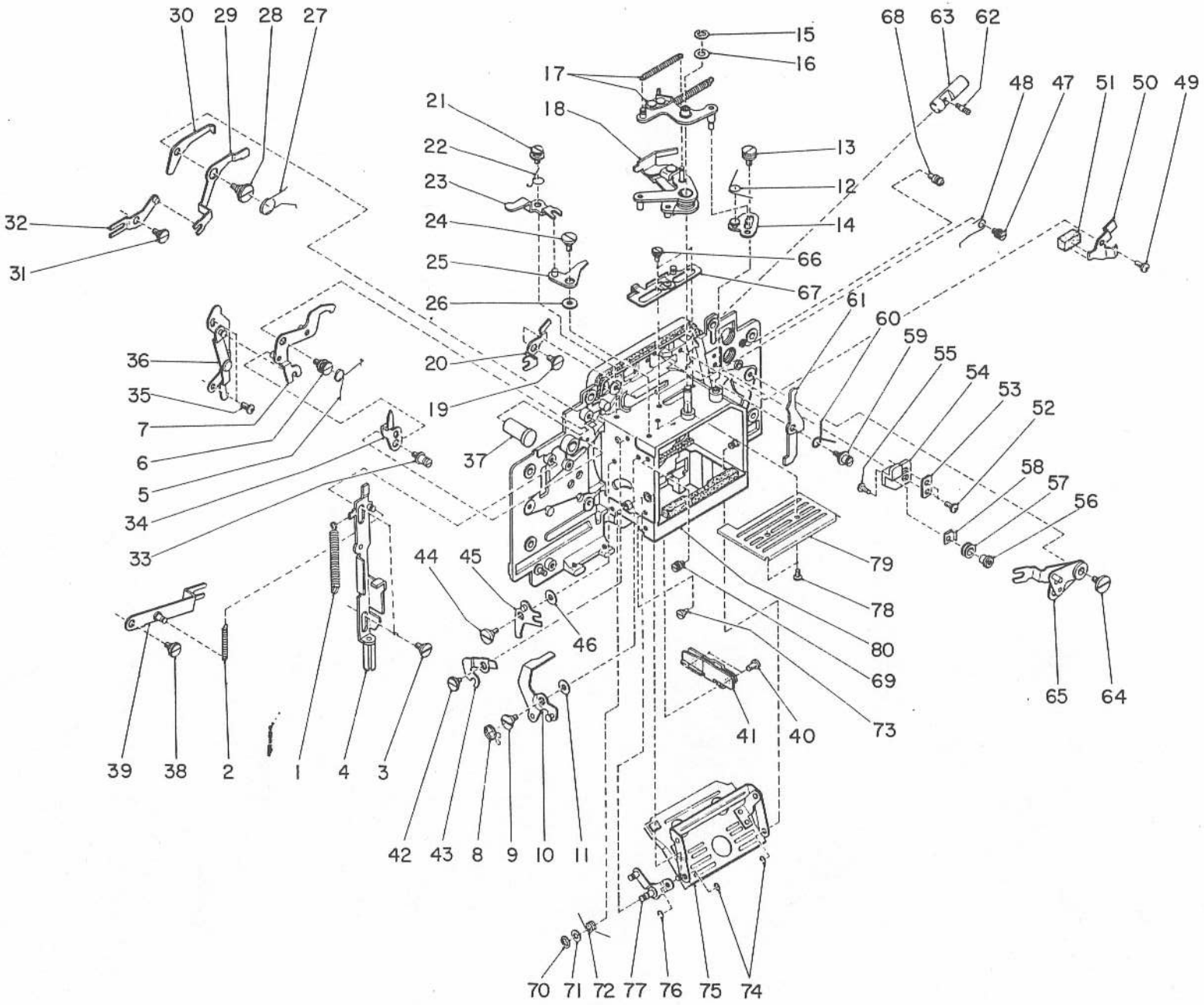
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Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
206					
F-1	02075	画面重なり防止ガイド板	Overlapping preventive Guide		(S640)-02026
F-2	02043	中間歯車C軸押えネジ	Cap for idle gear C		FTA
F-3	02041	中間歯車C	Idle gear C		Ⓔ-02042, FTA
F-4	*04133	巻上げ歯車地板	Base plate for wind gear	02003, 02036 02037, 02038 02039, 02042 02044, 02045 02046(2), 02047(2), 02322, 03029	
411					
F-5	63315	M1.4×2.8皿小ネジ	M1.4×2.8 Counter sunk screw		
F-6	04110	ASA切換ギヤー	Gear for changing ASA		
F-7	*04133	速度ダイヤルギヤー	Shutter dial gear	04123, 04133	Ⓔ-04110
F-8	51209	2.0φ鋼球	2.0φ steel ball		
F-9	04127	クリックバネ	Click spring		FTA
F-10	04113	駆動プーリー	Driving pulley		
F-11	04136	連動糸止めネジ	Set screw for pursuant string		(BL)-04113, FTA
F-12	04114	駆動プーリー用座金	Washer for driving pulley		FTA 04137(t=0.1) is also available.
F-13	61344	M1.4×4.0平小ネジ	M1.4×4.0 Flat screw		
F-14	08230	絶縁カラー	Insulating collar		
F-15	08229	接片B	Contact plate B		
F-16	08231	絶縁板	Insulator		
F-17	08228	接片A	Contact plate A		
F-18	08231	絶縁板	Insulator		
F-19	*04122	速度ダイヤル地板	Shutter dial base plate	04122, 04124 04125	Ⓔ-04113, 04133, 51209
511					
F-20	03004	レリーズ釦ガイドネジ	Release button guide screw		

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1	2	3	4	5	6
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
F-21	03028	レリーズ釦ストッパー	Release button stopper		〔A201〕-03001, FTA
F-22	03001	レリーズ釦	Release button		FTA
F-23	16304	M1.4×2.5剣先止めネジ	M1.4×2.5 Set screw		
F-24	03002	レリーズロック切換レバー	Changing lever of release lock		
F-25	*03012	ロックピン軸	Shaft for lock pin	03012(03014)	Ⓔ-51169
F-26	51169	1.6φ鋼球	1.6φ steel ball		
F-27	03015	クリックバネ	Click spring		
F-28	05104	指数器窓板	Counter glass		〔S640〕-05101, FTA
F-29	05102	絶縁座紙A	Insulating paper A		〔S640〕-05101, FTA
F-30	05103	絶縁座紙B	Insulating paper B		〔S640〕-05101, FTA
F-31	*05101a	ファインダーカバー	Top cover	03013(03026(2)), 04112, 04119, 05101 05217	For AUTOREFLEX T
531	*(05101b)	(ファインダーカバー)	(Top cover)		(For FTA)
F-32	05302	ミラー光線止め板	Plate for light tight		
F-33	05339	ミラー光線止めA	Light tight A (Mirror side)		〔S640〕-05302
F-34	05340	ミラー光線止めB	Light tight B (Mirror side)		〔S640〕-05302, FTA
F-35	*06205	底面音止め	Molt plane for stopping sound Molt plane for		〔S640〕-05301
F-36	*05301	ミラーボックス	Mirror box	03010, 05301 05308(2), 05311, 05331 05332, 05354 05502	
533					
F-37	*05341	鏡胴連結レバー	Connecting lever for focusing	05341, 05342 05343	
F-38	05358	連結レバーバネ	Spring for connecting lever		FTA
F-39	*05344	自動絞り作動レバー	Working lever for automatic aperture control	05325, 05336 05337, 05344 05346, 05348	

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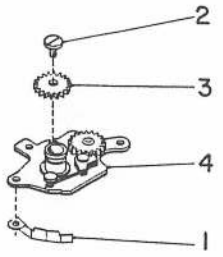
Fig. NO.	Parts No. or Sub-assembly	部品・部組名称	Parts name or Sub-assembly name	Components	Note
534					
F-40	05356	戻しバネー	Returning spring		
F-41	05357	ミラー上げバネ	Spring winding up mirror		
F-42	*05349	チャージアーム	Charge arm	05304(2), 05327, 05349 05350, 05352 05501	
601					
F-43	*06002	圧　板	Pressure plate	06002, 06004	FTA
F-44	06017	開閉側光線止め	Light tight (Lock claw side)		{S640}-06001, 06016, FTA
F-45	06011	裏蓋光皮	Backlid leather		{S640}-06001.FTA
F-46	*06001	裏　蓋	Backlid	06001, 06003 06005(4), 06010(2), 06013, 06014 06016, 91118	FTA



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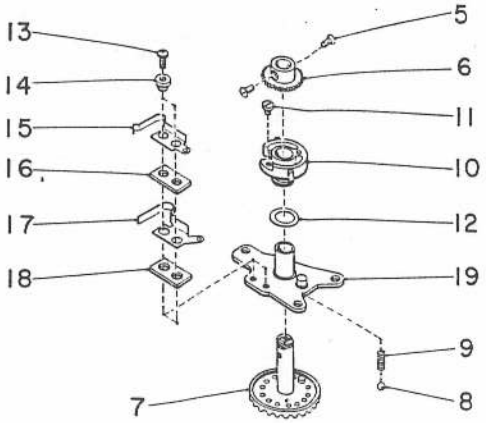

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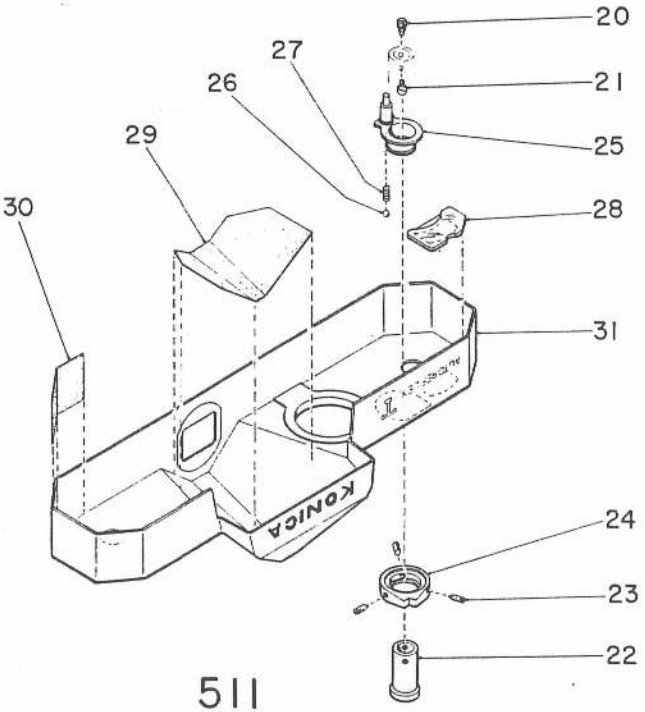

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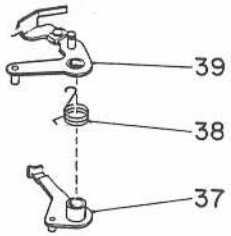

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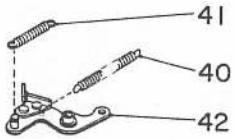

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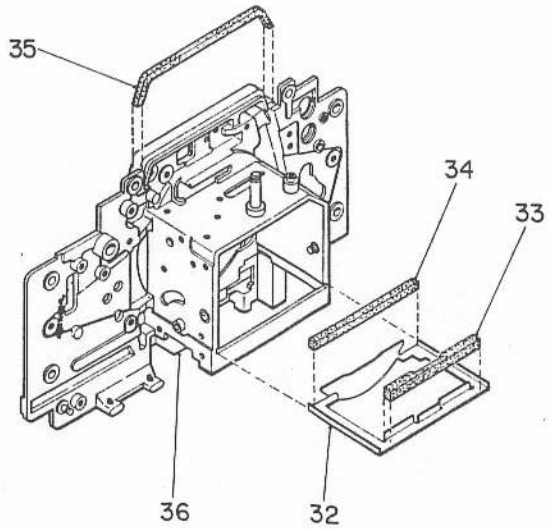

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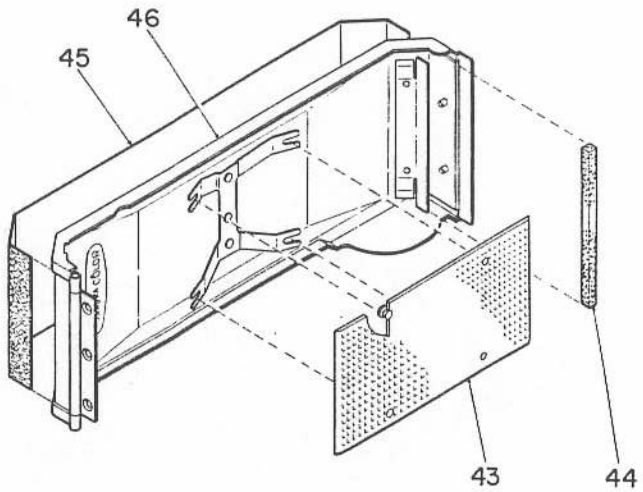
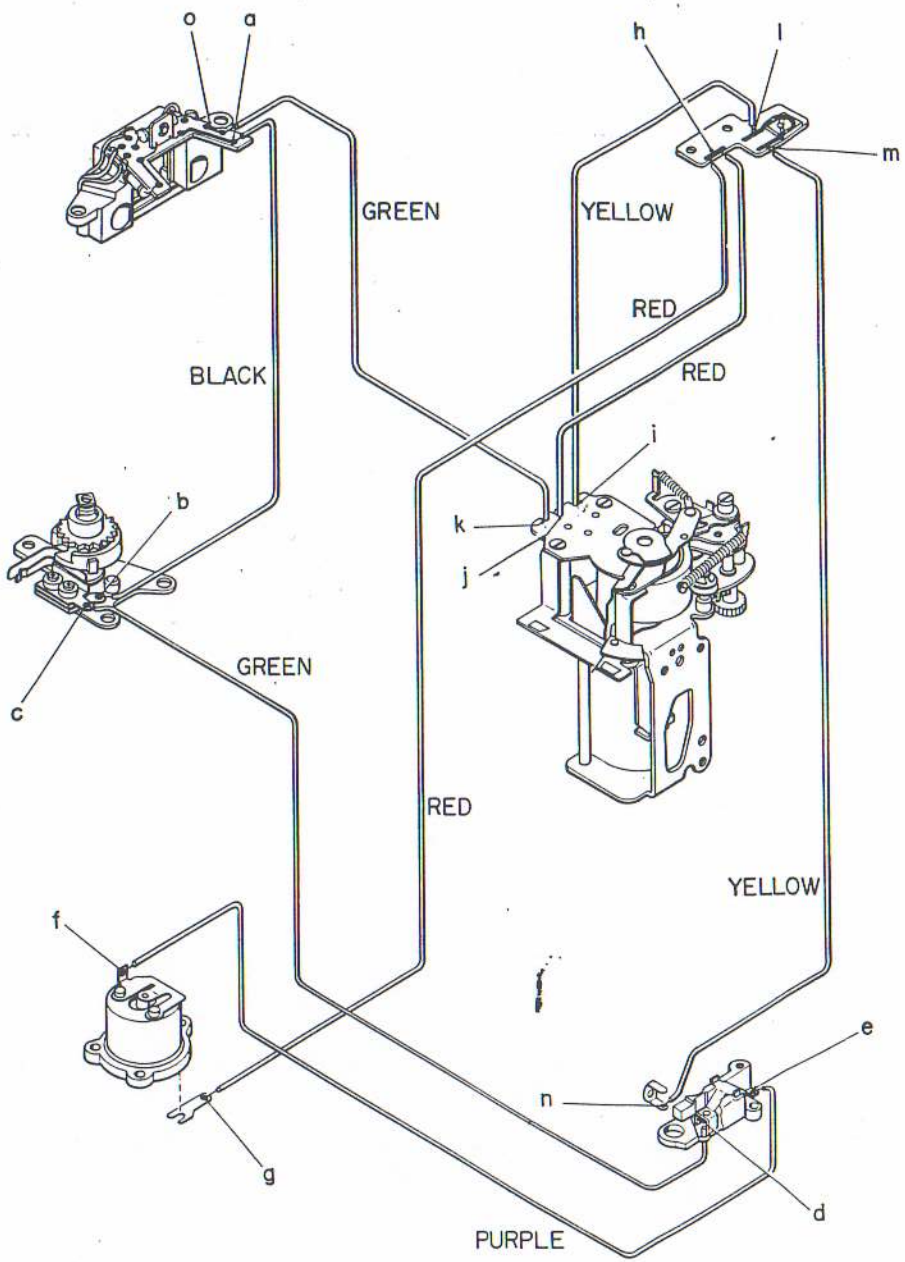
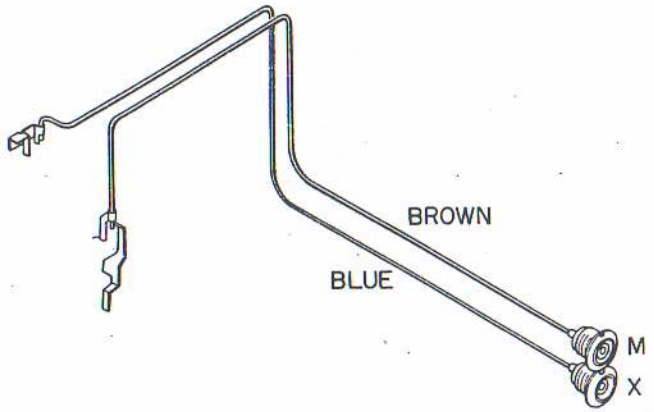
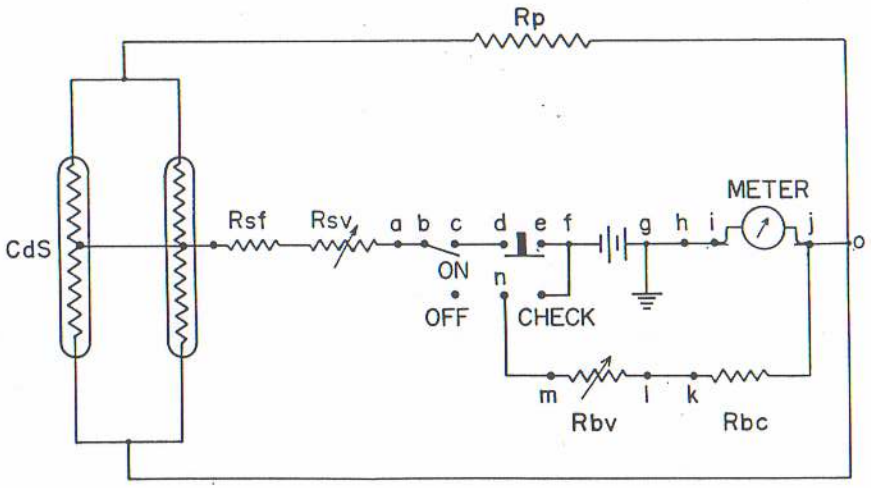


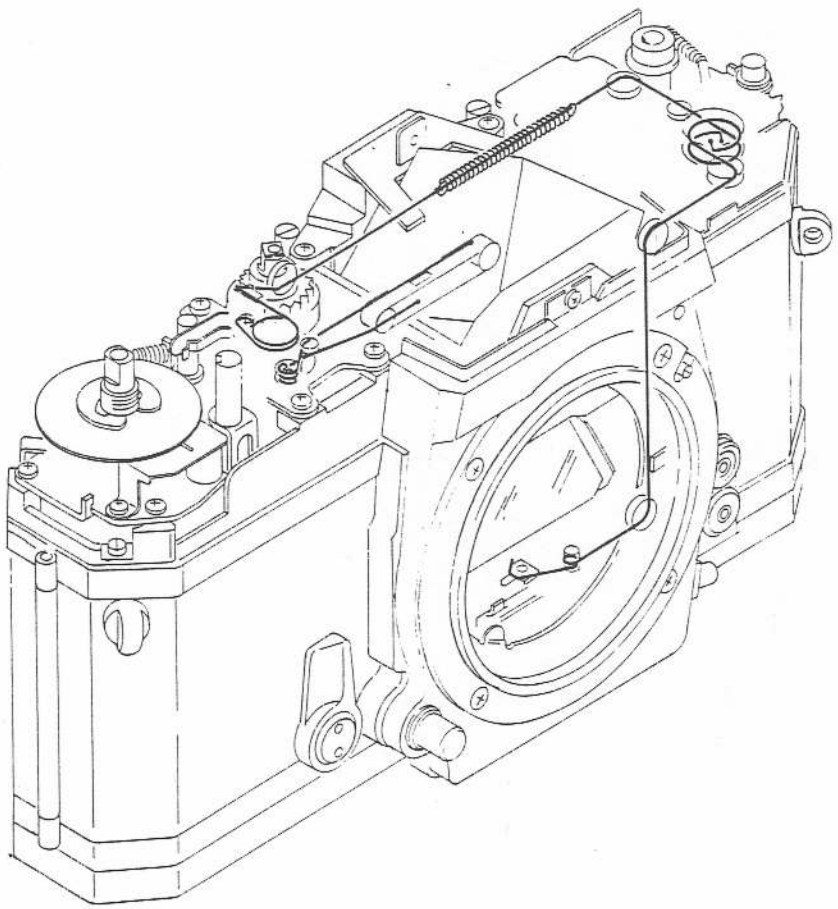
601





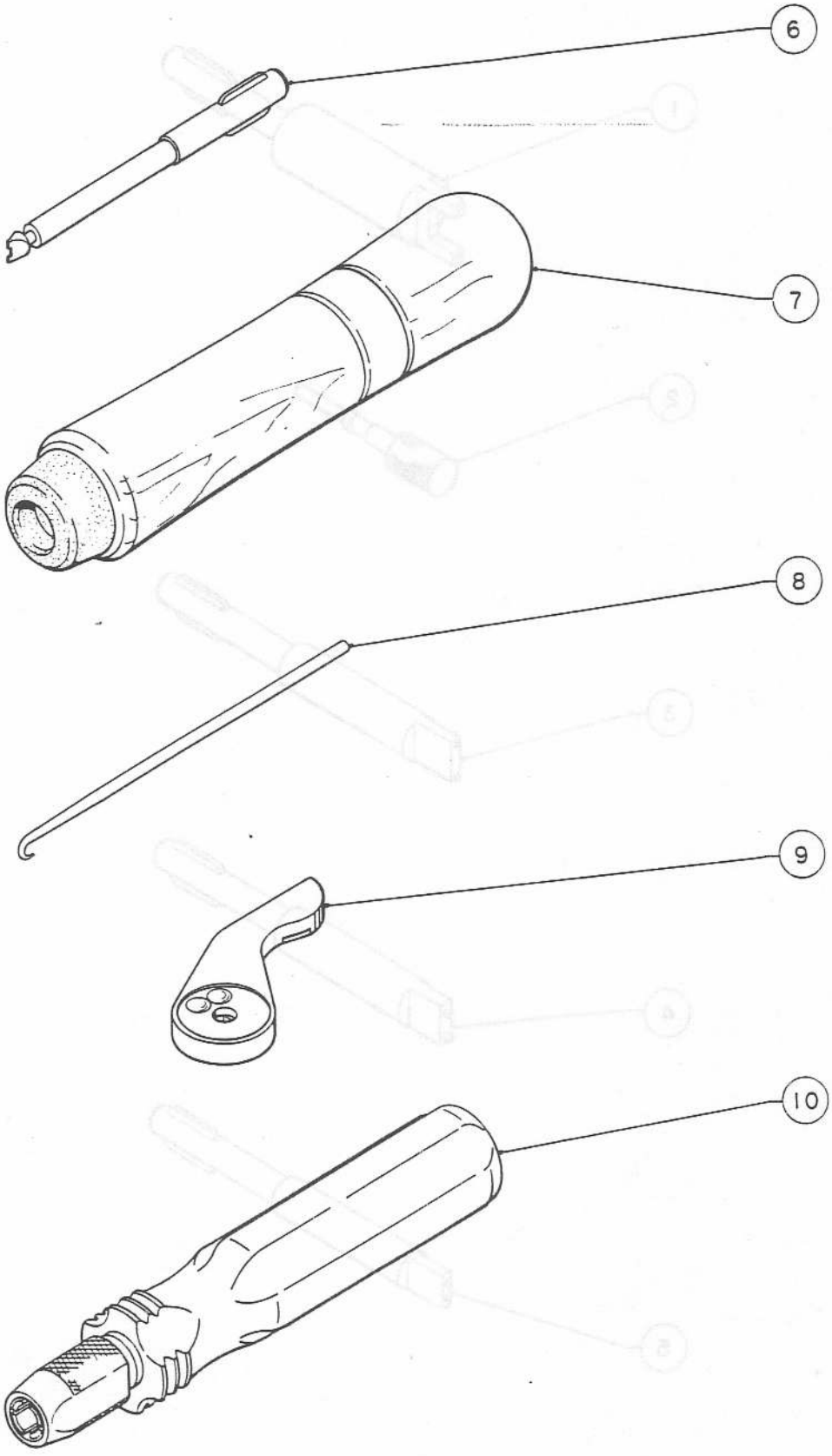


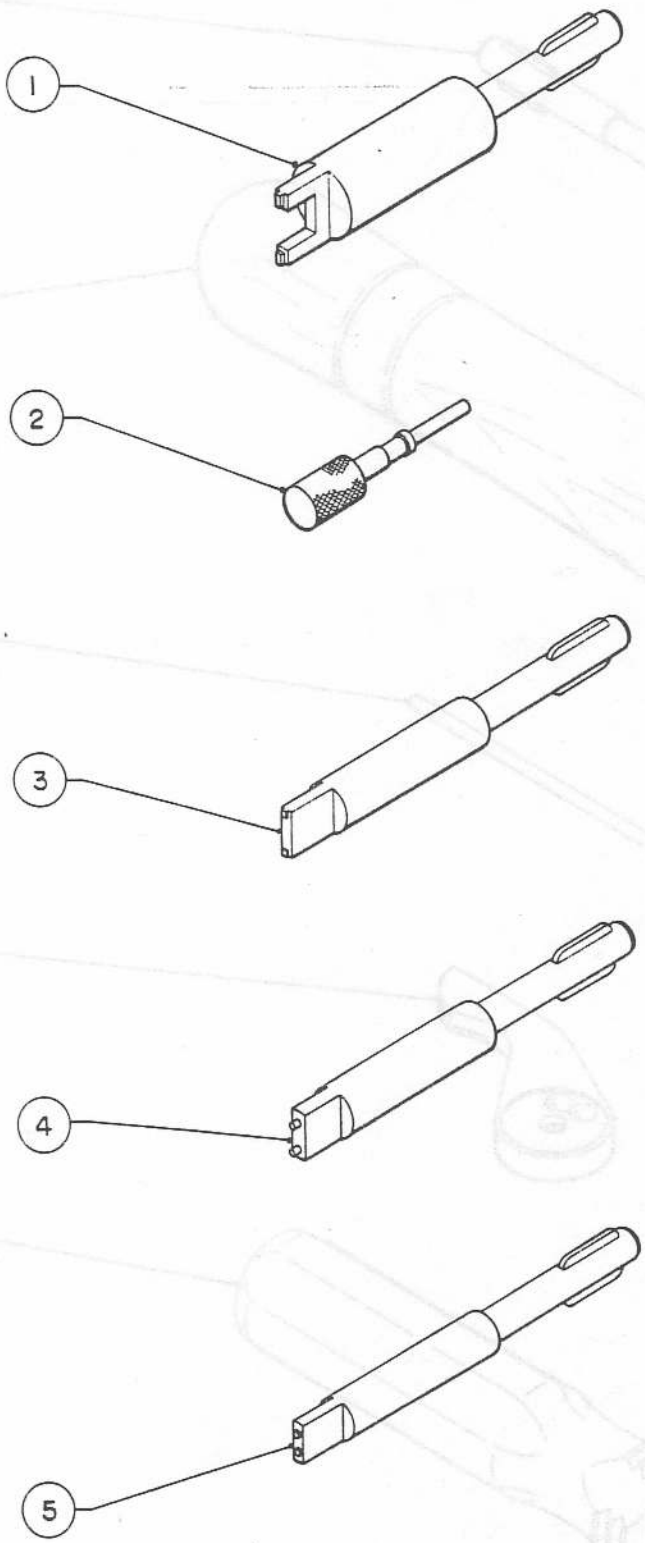
WIRING DIAGRAM



Lists of tools
専 用 工 具

Tool No. 工具番号	Tool Name 工 具 名 称	Name of the parts for which the tool is to be used 部 品 名 称 (用途)	Parts No. 部 番
1-1	Special screw driver カニ目ドライバー	Nut for setting top cover ファインダーカバー止めナット	05111
1-2	Pin releasing lock-lever ロックレバー解除用ピン	Film counter sub-assembly 指 数 器	231
1-3	Special screw driver カニ目ドライバー	Synchro socket sub-assembly シンクロソケット	111
1-4	Special screw driver カニ目ドライバー	Set screw for self-timer lever セルフレバー止めネジ	05385
1-5	Special screw driver カニ目ドライバー	Set screw for shutter dial シャッター数値板取付ネジ	04105
1-6	Special screw driver カニ目ドライバー	Nut for setting regulating plate 調整板止めナット	08057
1-7	Set jig for top screw 止めネジ締付治具	Top screw for wind lever 巻上げレバー止めネジ	02005
1-8	Tool for spring set バネ掛け工具	Recoiling spring for winding 巻上げ軸復元バネ	02017
1-9	Wind lever 仮巻上げレバー	For charging the film and shutter 仮巻上げ用	
1-10	Shank for special screw driver ドライバー用柄	For special screw driver カニ目ドライバー用	


6
7
8
9
10


1
2
3
4
5

LIST OF PARTS TO BE SUPPLIED FOR KONICA AUTO REFLEX T-II

コニカ ニュー FTA 支給部品一覧表

Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号
× 01001	101	02021		× 02057	209
01002		× 02022	201	× 02058	207
01003		× 02023	201	× 02060	209
01004		× 02024	201	× 02062	101
01006		02025		02064	210
01008		× 02026	201	02065	
01013		× 02027	203	× 02067	203
01015		02028		02068	
01016		× 02029	203	02069	
× 01009	101	02030		02070	
		02031		× 02075	206
× 01102	111	02032		× 02076	201
× 01103	111	× 02033	207	× 02077	201
× 01104	111	02034			
× 01105	111	× 02035	208	02201	
		× 02036	206	× 02202	221
02001		× 02037	206	02203	
× 02002	201	× 02038	206	02204	
× 02003	206	× 02039	206	02205	
02004		× 02041	206	02206	
02005		× 02042	206	02207	
02006		× 02043	206	02208	
02007		× 02044	206	02209	
02011		× 02045	206	× 02210	221
02012		× 02046	206		
02013		× 02047	206	× 02301	231
02014		× 02050	209	× 02302	231
02015		× 02051	209	× 02303	231
× 02016	201	02052		× 02304	231
02017		02053		02305	231
02018		× 02054	208	× 02306	231
02019		02055	210	× 02307	231
02020		02056	210	× 02308	231

LIST OF PARTS TO BE SUPPLIED FOR KONICA AUTO REFLEX T-II

コニカ ニュー FTA 支給部品一覧表

Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号
× 02309	231	× 03010	531	× 04113	411
× 02310	231	03011		× 04114	411
02311	231	× 03012	511	× 04119	511
× 02312	231	× 03013	511	× 04122	411
× 02313	231	× 03014	511	× 04123	411
02314	231	× 03015	511	× 04124	411
× 02315	231	× 03018	301	× 04125	411
× 02316	231	× 03019	301	× 04127	411
02317	231	× 03020	301	× 04128	414
× 02318	231	× 03022	231	× 04133	411
02322		× 03023	231	× 04134	414
		× 03024	231	× 04135	414
02401		× 03025	231	× 04136	411
× 02402	101	× 03026	511	× 04137	411
× 02403	241	03027			
× 02404	241	× 03028	511	× 05101	511
× 02405	241	03029	206	× 05102	511
× 02407	241			× 05103	511
02408		04002		05104	511
02409		04003		05111	
× 02410	241	× 04004	402		
× 02411	241			× 05201	521
× 02412	241	× 04101	414	× 05202	521
		× 04103	414	05203	521
03001	511	04104		× 05204	521
03002	511	04105		× 05205	521
× 03003	301	× 04106	415	× 05206	521
03004	511	× 04107	415	× 05207	528
× 03005	301	04108		05208	528
× 03006	301	04109		× 05209	528
03007		× 04110	411	× 05210	528
03008		× 04111	414	05211	528
03009		× 04112	511	× 05212	528

LIST OF PARTS TO BE SUPPLIED FOR KONICA AUTO REFLEX T-II

コニカ ニュー FTA 支給部品一覧表

Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号
× 05213	528	× 05315	592	× 05349	534
05214		× 05316	539	× 05350	534
× 05215		05317		× 05352	534
× 05216	525	05318		× 05354	531
× 05217	511	05319		05356	534
× 05218	521	× 05320	539	05357	534
05219		05321		× 05358	533
05220	521	× 05322	593	05359	
05221	528	05323		05360	
05222	528	05324		× 05361	535
05223		× 05325	533	05362	
05224		× 05326	537	05363	
× 05226	525	× 05327	534	× 05364	535
× 05227	528	× 05328	537	05365	
× 05229	525	× 05329	539	05366	
05230		05330		05367	
05231		× 05331	531	× 05368	593
× 05232	521	05332	531	05369	
		05333	537	05370	
× 05301	531	05335		05371	
× 05302	531	× 05336	533	× 05372	536
× 05303	537	× 05337	533	× 05373	596
× 05304	534	05338		× 05374	596
× 05305	537	× 05339	531	× 05375	596
05306		× 05340	531	× 05376	591
× 05307	537	× 05341	533	× 05377	596
× 05308	531	× 05342	533	× 05378	591
× 05309	537	× 05343	533	05379	
× 05310	537	× 05344	533	05380	
× 05311	531	05345		× 05381	595
05312		× 05346	533	× 05383	598
× 05313	537	05347		× 05384	598
× 05314	593	× 05348	533	05385	

LIST OF PARTS TO BE SUPPLIED FOR KONICA AUTOREFLEX T－II

コニカ ニュー FTA 支給部品一覧表

Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号
× 05386	538	× 05502	531	× 08004	809
× 05387	538	× 05503	551	× 08005	301
× 05388	536	× 05504	551	08006	
05389		05505		08007	
× 05390	538	05506		08008	
× 05391	532			× 08009	811
× 05392	591	× 06001	601	08011	
× 05393	532	× 06002	601	08012	
× 05394	595	× 06003	601	× 08013	801
× 05395	521	× 06004	601	× 08014	801
05396		× 06005	601	08015	
05397		06010	601	× 08016	801
05398		06011	601	08017	
05399		× 06013	601	× 08018	
		× 06014	601	08019	
× 05401	541	06015		08020	
× 05402	541	× 06016	601	08021	
05404		× 06017	601	08023	
05405				08024	
05406		06101		08025	
05407		06102		× 08026	802
05408		06103		× 08027	802
05409		06104		08028	
05410				× 08030	805
05411		× 06201	621	× 08031	803
05412		06202		× 08032	804
05413		× 06203	621	× 08033	844
05414		× 06204	621	08034	
05415		06205	531	× 08035	803, 807
05416				08036	
× 05417	541	× 08001	809	× 08037	805
		08002		× 08038	801
× 05501	534	08003		08041	

LIST OF PARTS TO BE SUPPLIED FOR KONICA AUTOREFLEX T-II

コニカ ニュー FTA 支給部品一覧表

Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号
× 08043	806	× 08083	814	× 08405	841
× 08044	806	× 08084	814	× 08406	841
08045		× 08086	812	08407	101
× 08046	806	× 08088	521		
× 08047	806	× 08089	813	91118	601
× 08048	805	× 08090	807		
× 08049	805			11400	
08050	802	× 08227	231	11470	
× 08051	804	× 08228	411	16304	
08052		× 08229	411		
× 08053	804	× 08230	411	23310	
08054		× 08231	411	25290	
× 08055	803	08234			
× 08056	803			45105	
08057		08301		45135	
× 08058	806	× 08302	831	45179	
× 08059	806	08303			
08060		× 08304	831	45209	
× 08062	807	× 08305	831	45249	
08063		× 08306	831	45289	
08064		08308		45589	231
× 08065	807	08310			
08066		08311		51169	511
× 08067	813	× 08312	841		
× 08069	812	08313		51209	411
08070		× 08314	841		
× 08072	813	08315	101	61309	
08073	521, 812	08351		61344	411
× 08074	813				
× 08075	812	× 08401	841	61424	231
08077	813	× 08402	841		
× 08078	813	× 08403	841	61444	
× 08081	811	× 08404	841		

LIST OF PARTS TO BE SUPPLIED FOR KONICA AUTOREFLEX T－II

コニカ ニュー FTA 支給部品一覧表

Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号
61584		05334			
		08202			
63294					
63315	411				
63425					
63429					
63444					
63474					
65284					
65395					
65424	802				
65464					
65484					
65575					
65619					
65625					

LIST OF SUB-ASSEMBLY PARTS TO BE SUPPLIED FOR KONICA AUTOREFLEX T-II
コニカ ニュー FTA 支給部組一覧表

Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号
101	× 01001		× 02042		02311
	× 01009		× 02043		× 02312
	× 02062		× 02044		× 02313
	× 02402		× 02045		02314
	08315		× 02046		× 02315
	08407		× 02047		× 02316
	61424		× 02075		02317
	65484		× 02322		× 02318
			× 03029		× 03022
111	× 01102				× 03023
	× 01103	207	× 02033		× 03024
	× 01104		× 02058		× 03025
	× 01105				× 08227
		208	× 02035		45589
201	× 02002		× 02054		61424
	× 02016				
	× 02022	210	02055	241	× 02403
	× 02023		02056		× 02404
	× 02024		02064		× 02405
	× 02026				× 02407
	× 02076	221	× 02202		× 02410
	× 02077		× 02210		× 02411
					× 02412
203	× 02027	231	× 02301		65284
	× 02029		× 02302		
	× 02067		× 02303	401	SHUTTER UNIT
			× 02304		
206	× 02003		02305	402	04004
	× 02036		× 02306		× 401
	× 02037		× 02307		
	× 02038		× 02308	411	× 04110
	× 02039		× 02309		× 04113
	× 02041		× 02310		× 04114

LIST OF SUB-ASSEMBLY PARTS TO TO BE SUPPLIED FOR KONICA AUTOREFLEX T－II

コニカ ニュー FTA 支給部組一覧表

Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号
	× 04122		× 03015	528	× 05207
	× 04123		× 03026		05208
	× 04124		× 03028		× 05209
	× 04125		× 04112		× 05210
	× 04127		× 04119		05211
	× 04133		× 05101		× 05212
	× 04136		× 05102		× 05213
	× 04137		× 05103		05221
	× 08228		05104		05222
	× 08229		× 05217		× 05227
	× 08230		16304		11400
	× 08231		51169		
	51209			531	× 03010
	61344	521	× 05201		× 05301
	63315		× 05202		× 05308
			05203		× 05311
414	× 04101		× 05204		× 05331
	04103		× 05205		05332
	× 04111		× 05206		× 05354
	× 04128		× 05218		× 05502
	× 04134		05220		06205
	× 04135		× 05232		597
	61334		× 08077		
			× 08088	532	× 05391
415	× 04106		65395		× 05393
	× 04107		812		
			813	533	× 05325
511	03001		815		× 05336
	03002				× 05337
	03004	525	× 05216		× 05341
	× 03012		× 05226		× 05342
	× 03013		× 05229		× 05343
	× 03014				× 05344

LIST OF SUB-ASSEMBLY PARTS TO BE SUPPLIED FOR KONICA AUTOREFLEX T－II
コニカ ニュー FTA 支給部組一覧表

Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号
	× 05346	541	× 05401	601	× 06001
	× 05348		× 05402		× 06002
	× 05358		× 05417		× 06003
			61309		× 06004
534	× 05304				× 06005
	× 05327	551	× 05503		06010
	× 05349		× 05504		06011
	× 05350				× 06013
	× 05352	591	× 05376		× 06014
	05356		× 05378		× 06016
	05357		× 05392		× 06017
	× 05501				91118
		592	× 05315		
535	× 05361		× 05322	609	× 06002
	× 05364				× 06004
		593	× 05314		
536	× 05372		× 05322	621	× 06201
	× 05388		× 05368		× 06203
					× 06204
537	× 05303	595	× 05381		
	× 05305		× 05394	801	× 08013
	× 05307				× 08014
	× 05309	596	× 05373		× 08016
	× 05310		× 05374		× 08038
	× 05313		× 05375		
	× 05326		× 05377	802	× 08026
	× 05328				× 08027
	05333	597	× 05302		08050
			× 05339		65424
538	× 05386		× 05340		
	× 05387			803	× 08031
	× 05390	598	× 05383		× 08035
			× 05384		× 08055

LIST OF SUB-ASSEMBLY PARTS TO BE SUPPLIED FOR KONICA AUTOREFLEX T－II
コニカ ニュー FTA 支給部組一覧表

Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号	Sub-assembly No. 部組番号	Parts No. 部品番号
	×08056		×08073	301	×03003
	61444		×08086		×03005
					×03006
804	×08032	813	×08067		×03018
	×08033		×08074		×08005
	×08051		×08075		
	×08053		×08078	209	×02050
			×08089		×02051
805	×08030				×02057
	×08037	815	×08083		×02060
	×08048		×08084		
	×08049				
		821	METER UNIT		
806	×08043				
	×08044				
	×08046	831	×08302		
	×08047		×08304		
	×08058		×08305		
	×08059		×08306		
807	×08035	841	×08401		
	×08062		×08402		
	×08065		×08403		
	×08090		×08404		
			×08405		
809	×08001		×08406		
	×08004		×08312		
			×08313		
811	×08009				
	×08081	539	×05320		
			×05329		
812	×08069		×08316		
	×08072				

Parts index for FTAII camera
FTA IIカメラ部品索引

Parts No. 部番	Sheet No. シートNo.	Parts No. 部番	Sheet No. シートNo.	Parts No. 部番	Sheet No. シートNo.
01001	C—63 (101)	02014	C—48		F—4(☆02036)
01002	A— 4	02015	C—41	02041	C—15 (206)
01003	A— 3	02016	C—12 (201)		F—3
01004	C—54	02017	C— 9	02042	C—15 (206)
01006	C—59	02018	C— 8		F—4(☆02036)
01008	C—60	02019	C—46	02043	C—15 (206)
01013	C—52	02020	C—13		F—2
01015	C—53	02021	C— 7	02044	C—15 (206)
01016	C—62	02022	C—12 (201)		F—4(☆02036)
		02023	C—12 (201)	02045	C—15 (206)
		02024	C—12 (201)		F—4(☆02036)
		02025	C—51	02046	C—15 (206)
01102	D—35 (111)		E—68		F—4(☆02036)
01103	D—35 (111)	02026	C—12 (201)	02047	C—15 (206)
01104	D—35 (111)	02027	C—20		F—4(☆02036)
01105	D—35 (111)	02028	C—17	02050	C—36 (209)
		02029	C—22	02051	C—36 (209)
		02030	C— 7	02052	C—35
		02031	C—16	02053	C—33
02001	A—37	02032	C— 2	02054	C—42 (208)
02002	C—12 (201)	02033	C— 4 (207)	02055	C—38
02003	C—15 (206)	02034	C— 5	02056	C—39
	F—4(☆02036)	02035	C—42 (208)	02057	C—36 (209)
02004	C—11	02036	C—15 (206)	02058	C— 4 (207)
02005	A—35		F—4(☆02036)	02060	C—36 (209)
02006	A—36	02037	C—15 (206)	02062	C—63 (101)
02007	A—38		F—4(☆02036)	02064	C—40
02011	C— 6	02038	C—15 (206)	02065	C—50
02012	C— 3		F—4(☆02036)	02067	C—19
02013	C—47	02039	C—18 (206)	02068	C—21

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02069	C—18	02309	B—67 (231)		F—22
02070	C—49	02310	B—67 (231)	03002	A—40 (511)
02075	C—15 (206)	02311	B—67 (231)		F—24
	F—1	02312	B—67 (231)	03003	E—4 (301)
02076	C—12 (201)	02313	B—67 (231)	03004	E—40 (511)
02077	C—12 (201)	02314	B—67 (231)		F—20
		02315	B—67 (231)	03005	E—4 (301)
		02316	B—67 (231)	03006	E—4 (301)
		02317	B—67 (231)	03007	C—45
02201	C—32	02318	B—67 (231)	03008	C—43
02202	C—30 (221)	02322	C—15 (206)	03009	C—44
02203	C—31		F—4 (☆02036)	03010	E—80 (531)
02204	C—29				F—36 (☆05301)
02205	C—28			03011	E— 1
02206	C—25			03012	A—40 (511)
02207	C—23	02401	A—12		F—25
02208	C—24	02402	C—63 (101)	03013	A—40 (511)
02209	C—27	02403	A—11		F—31 (☆05101)
02210	C—30 (221)	02404	A—18	03014	A—40 (511)
		02405	A—20		F—25
		02407	A—16	03015	A—40 (511)
		02408	A—14		F—27
02301	B—67 (231)	02409	A—13	03018	E—4 (301)
02302	B—67 (231)	02410	A—10	03019	E—4 (301)
02303	B—67 (231)	02411	A—17	03020	E—4 (301)
02304	B—67 (231)	02412	A—19	03022	B—67 (231)
02305	B—67 (231)			03023	B—67 (231)
02306	B—67 (231)			03024	B—67 (231)
02307	B—67 (231)			03025	B—67 (231)
02308	B—67 (231)	03001	A—40 (511)	03026	A—40 (511)

Parts No. 部番	Sheet No. シートNo.	Parts No. 部番	Sheet No. シートNo.	Parts No. 部番	Sheet No. シートNo.
02069	C—18	02309	B—67 (231)		F—22
02070	C—49	02310	B—67 (231)	03002	A—40 (511)
02075	C—15 (206)	02311	B—67 (231)		F—24
	F—1	02312	B—67 (231)	03003	E—4 (301)
02076	C—12 (201)	02313	B—67 (231)	03004	E—40 (511)
02077	C—12 (201)	02314	B—67 (231)		F—20
		02315	B—67 (231)	03005	E—4 (301)
		02316	B—67 (231)	03006	E—4 (301)
		02317	B—67 (231)	03007	C—45
02201	C—32	02318	B—67 (231)	03008	C—43
02202	C—30 (221)	02322	C—15 (206)	03009	C—44
02203	C—31		F—4 (☆02036)	03010	E—80 (531)
02204	C—29				F—36 (☆05301)
02205	C—28			03011	E— 1
02206	C—25			03012	A—40 (511)
02207	C—23	02401	A—12		F—25
02208	C—24	02402	C—63 (101)	03013	A—40 (511)
02209	C—27	02403	A—11		F—31 (☆05101)
02210	C—30 (221)	02404	A—18	03014	A—40 (511)
		02405	A—20		F—25
		02407	A—16	03015	A—40 (511)
		02408	A—14		F—27
02301	B—67 (231)	02409	A—13	03018	E—4 (301)
02302	B—67 (231)	02410	A—10	03019	E—4 (301)
02303	B—67 (231)	02411	A—17	03020	E—4 (301)
02304	B—67 (231)	02412	A—19	03022	B—67 (231)
02305	B—67 (231)			03023	B—67 (231)
02306	B—67 (231)			03024	B—67 (231)
02307	B—67 (231)			03025	B—67 (231)
02308	B—67 (231)	03001	A—40 (511)	03026	A—40 (511)

Parts No. 部　番	Sheet No. シートNo.	Parts No. 部　番	Sheet No. シートNo.	Parts No. 部　番	Sheet No. シートNo.
	F—31(☆05101)		F—10		F—29
03027	E— 3	04114	B—3 (411)	05103	A—40 (511)
	E—24		F—12		F—30
03028	A—40 (511)	04119	A—40 (511)	05104	A—40 (511)
	F—21		F—31(☆05101)		F—28
03029	C—15 (206)	04122	B—3 (411)	05111	A—39
	F—4(☆02036)		F—19(☆04122)		
		04123	B—3 (411)		
			F—7(☆04133)		
		04124	B—3 (411)	05201	B—17
04002	B—29		F—19(☆04122)	05202	B—13(☆05203)
04003	B—30	04125	B—3 (411)	05203	B—13(☆05203)
04004	B—31 (402)		F—19(☆04122)	05204	B—13(☆05203)
		04127	B—3 (411)	05205	B—13(☆05203)
			F— 9	05206	B—11
		04128	A—33	05207	D— 5
04101	A—28	04133	B—3 (411)	05208	D—14
04103	A—29		F—7(☆04133)	05209	D—12
04104	A—22	04134	A—34	05210	D—13
04105	A—21	04135	A—31	05211	D— 9
04106	A—23	04136	B—3 (411)	05212	D—11
04107	A—24		F—11	05213	D— 7
04108	A—26	04137	B—3 (411)	05214	B— 8
04109	A—27		F—12	05215	B—8(☆05214)
04110	B—3 (411)			05216	A— 41
	F— 6			05217	A—40 (511)
04111	A—30				F—31(☆05101)
04112	A—40 (511)	05101	A—40 (511)	05218	B—10
	F—31(☆05101)		F—31(☆05101)	05219	B—15
04113	B—3 (411)	05102	A—40 (511)	05220	B—13(☆05203)

Parts No. 部　番	Sheet No. シートNo.	Parts No. 部　番	Sheet No. シートNo.	Parts No. 部　番	Sheet No. シートNo.
05221	D— 8	05313	E—75 (537)	05336	E—18 (533)
05222	D—10	05314	E—10 (593)		F—39 (☆05344)
05223	B— 9	05315	E—45 (592)	05337	E—18 (533)
05224	B— 7	05316	E—77 (539)		F—39 (☆05344)
05226	A—42	05317	E— 9	05338	E—72
05227	D—15	05318	E—47	05339	E—80 (531)
05229	A—43		E—69		F—33
05230	D—45	05319	E—19	05340	E—80 (531)
05231	D— 4		E—44		F—34
05232	B—25	05320	E—77 (539)	05341	E—18 (533)
		05321	E—42		F—37 (☆05341)
		05322	E—10 (593)	05342	E—18 (533)
			E—45 (592)		F—37 (☆05341)
05301	E—80 (531)	05323	E—43	05343	E—18 (533)
	F—36 (☆05301)	05324	E—73		F—37 (☆05341)
05302	E—80 (531)	05325	E—18 (533)	05344	E—18 (533)
	F—32		E—39 (☆05344)		F—39 (☆05344)
05303	E—75 (537)	05326	E—75 (537)	05345	D—44
05304	E—17 (534)	05327	E—17 (534)	05346	E—18 (533)
	F—42 (☆05349)		F—42 (☆05349)		F—39 (☆05344)
05305	E—75 (537)	05328	E—73 (537)	05347	E—20
05306	E— 8	05329	E—77 (539)	05348	E—18 (533)
05307	E—75 (537)	05330	E—16		F—39 (☆05344)
05308	E—80 (531)	05331	E—80 (531)	05349	E—17 (534)
	F—36 (☆05301)		F—36 (☆05301)		F—42 (☆05349)
05309	E—75 (537)	05332	E—80 (531)	05350	E—17 (534)
05310	E—75 (537)		F—36 (☆05301)		F—42 (☆05349)
05311	E—80 (531)	05333	E—75 (537)	05352	E—17 (534)
	F—36 (☆05301)	05335	E—11		E—42 (☆05349)
05312	E—50		E—46		

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05354	E—80 (531)	05381	E—25 (595)	05411	D—21
	F—36 (☆05301)	05383	D—34 (598)	05412	D—21
05356	E—17 (534)	05384	D—34 (598)	05413	D—21、E—71
	F—40	05385	D—32	05414	D—21、E—71
05357	E—17 (534)	05386	D—24 (538)	05415	D—21
	F—41	05387	D—24 (538)	05416	D—21
05358	E—18 (533)	05388	E—21	05417	D—20
	F—38	05389	A—5		
05359	E—29	05390	D—24 (538)		
05360	E—51	05391	E—32 (532)		
05361	E—7 (535)	05392	E—41 (591)	05501	E—17 (534)
05362	E—6	05393	E—32 (532)		F—42 (☆05349)
05363	E—79	05394	E—25 (595)	05502	E—80 (531)
05364	E—7 (535)	05395	E—30		F—36 (☆05301)
05365	E—26	05396	E—5	05503	E—14 (551)
05366	E—37	05397	E—28	05504	E—14 (551)
05367	E—23	05398	E—48	05505	E—12
05368	E—10 (593)	05399	E—31	05506	E—13
05369	E—16				
05370	E—34				
05371	E—33				
05372	E—22	05401	D—17	06001	A—45 (601)
05373	E—36 (596)	05402	D—19		F—46 (☆06001)
05374	E—36 (596)	05404	E—63	06002	A—45 (601)
05375	E—36 (596)	05405	E—61		F—43 (☆06002)
05376	E—41 (591)	05406	E—62	06003	A—45 (601)
05377	E—36 (596)	05407	E—60		F—46 (☆06001)
05378	E—41 (591)	05408	E—59	06004	A—45 (601)
05379	E—27	05409	D—21		F—43 (☆06002)
05380	D—33	05410	D—21	06005	A—45 (601)

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	F—46(☆06001)			08031	E—56
06010	A—45 (601)			08032	B—57 (804)
	F—46(☆06001)			08033	B—57 (844)
06011	A—45 (601)	08001	E—39 (809)	08034	B—56
	F—45	08002	E—38	08035	D—48 (807)
06013	A—45 (601)	08003	E— 2		E—57
	F—46(☆06001)	08004	E—39 (809)	08036	C—57
06014	A—45 (601)	08005	E—4(301)	08037	C—56 (805)
	F—46(☆06001)	08006	D—27	08038	D—37 (801)
06015	A—44	08007	D—27	08041	D—28
06016	A—45 (601)	08008	D—26	08043	E—65 (806)
	F—46(☆06001)	08009	D—31 (811)	08044	E—65 (806)
06017	A—45 (601)	08011	D—29	08045	E—64
	F—44	08012	D—30	08046	E—65 (806)
		08013	D—37 (801)	08047	E—65 (806)
		08014	D—37 (801)	08048	C—56 (805)
		08015	D—39		C—58
06101	B—65	08016	D—37 (801)	08049	C—56 (805)
06102	B—63	08017	D—36	08050	E—67 (802)
06103	C—61	08018	D—39	08051	B—57 (804)
06104	B—64	08019	D—27	08052	E—53
		08020	D—25	08053	B—57 (804)
		08021	D—42	08054	B— 4
		08023	D—41	08055	E—54
06201	A— 7	08024	D—40	08056	E—58
06202	B—52	08025	D—38	08057	B—55
06203	A— 8	08026	E—67 (802)	08058	E—65 (806)
06204	A— 9	08027	E—67 (802)	08059	E—65 (806)
06205	E—80 (531)	08028	E—66	08060	D—37
	F—35	08030	C—56	08062	D—48 (807)

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08063	D—46		F—14	08407	B—61
08064	D—47	08231	B—3 (411)		
08065	D—48 (807)		F—15		
08066	B—53		F—17		
08067	B—21 (812)	08234	B— 2	91118	A—45 (601)
08069	B—20 (812)				F—46(☆06001)
08070	D—38				
08072	B—20 (813)				
08073	B—20 (812)	08301	B—32		
	B—22	08302	B—36 (831)	11400	D— 6
08074	B—21 (813)	08304	B—36 (831)	11470	D— 3
08075	B—20 (812)	08305	B—36 (831)	16304	A—40
08077	B—23	08306	B—36 (831)		F—23
08078	B—21 (813)	08308	B—35	23310	B—41
08081	D—31 (811)	08310	B—37	25290	B—45
08083	B—24 (814)	08311	B—38		
08084	B—24 (814)	08312	B—47		
08086	B—20 (812)	08313	B—48		
08088	B—14	08314	B—49	45105	E—76
08089	B—21 (813)	08315	B—59	45135	E—74
08090	D—48 (807)	08351	B—33	45179	C—37
					E—15
					E—70
				45209	C— 1
08227	B—67 (231)	08401	B—40	45249	C—26
08228	B—3 (411)	08402	B—42	45289	A 25
	F—18	08403	B—43	45589	B—67 (231)
08229	B—3 (411)	08404	B—50		
	F—16	08405	B—46		
08230	B—3 (411)	08406	B—44		

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51169	A—40 (511)	63294	D—43		
	F—26	63315	B—3 (411)		
51209	B—3 (411)		B—62		
	F— 8		F— 5		
		63425	C—10		
		63429	A— 6		
		63444	C—55		
61309	D—18		D— 1		
	D—23	63474	B—51		
61344	A—32				
	B—3 (411)				
	B— 6				
	B—16	65284	A—15		
	F—13	65395	B—18		
61424	B—54		D—22		
	B—58		E—78		
	B—67 (231)	65424	B—12		
	E—40		E—35		
	E—49		E—67 (802)		
	E—52	65464	B—39		
61444	B— 1	65484	B—34		
	B—19		B—60		
	B—66	65575	B—26		
	C—14	65619	D—16		
	E—55	65625	B—27		
61584	B—28				
	C—34				

Sub-assembly index for FTA II camera
FTA IIカメラ部組索引

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111	01102(2)、01103(2)、01104(2)、01105(2)	C—35
201	02202、02016、02022(02076)	C—12
	02023、02024、02026、02077	
206	02003、02036、02037、02038	C—15
	02039、02041、02042、02043	F—1～4
	02044、02045、02046(2)、02047(2)	
	02075、02322、03029	
207	02033、02058	C— 4
208	02035、02054	C—42
209	02050(02051)、02057、02060	C—36
221	02202、02210	C—30
231	02301～02318、03022、03023	B—67
	03024、03025、08227、45589	
	61424	
301	03003、03005、03006、03018	E— 4
	08005	
402	04004(2)、401	B—31
411	04110、04113、04114、04122	B— 3
	04123、04124、04125、04127	F—5～19
	04133、04136、04137、08230(2)	
	08231(2)、51209、61344(2)、63315(2)	
	822、823	
511	03001、03002、03004、03012	A—40
	(03014)、03013(03026(2))、03015	F—20—31
	03028、04112、04119、05101、	
	05102、05103、05104、05217	
	16304(3)、51169	
531	03010、05301、05302、05308(2)	E—80
	05311、05331、05332、05339	F—32～36

Sub-assembly name 部　組　名	Components 構成部品	Sheet No. シートNo.
	05340、05354、05502、06205	
532	05391、05393	E—32
533	05325、05336、05337、05341	E—18
	05342、05343、05344、05346	F—37~39
	05348、05358	
534	05304(2)、05327、05349、05350	E—17
	05352、05356、05357、05501	F—40~42
535	05361、05364(2)	E— 7
537	05303、05305、05307、(05309(4)、	E—75
	05326、05328)、05310(2)、05313	
	05333	
538	05386、05387、05390	D—24
539	05316、(05320)、05329	E—77
551	05503、05504	E—14
591	05376、05378、05392	E—41
592	05315、05322	E—45
593	05314、05322、05368	E—10
595	05381、05394	E—25
596	05373、05374、05375、05377	E—36
598	05383、05384	D—34
601	06001、06002、06003、06004(4)	A—45
	06005(4)、06010(2)、06011、06013	F—43~46
	06014、06016、06017、91118	
801	08013、08014、08016、08038	D—37
802	08026、08027、08050、65424	E—67
804	08032、08033、08051、08053	B—57
805	08030、08037、08048、08049	C—56
806	08043、08044、08046、08047	E—65
	08058、08059	
807	08035、08062、08065、08090	D—48

Sub-assembly name 部　組　名	Components 構成部品	Sheet No. シートNo.
809	08001、08004	E—39
811	08009、08081	D—31
812	08069、08072、08073、08075 08086	B—20
813	08067、08074、08078(2)、08089	B—21
814	08083、08084	B—24
821	Meter unit（メーターユニット）	B— 6 D— 2
831	08302、08304、08305、08306	B—36
501	07501、07502	A— 1

SHUTTER SERVICE MANUAL
TYPE, COPAL SQUARE S.

I. Function

1) Bounding of Lead Blade and Heavy Start Action in Shutter Charging

Bounding of lead blade comes out in case pressure power by A4-11178 Shock Absorber for Blade (corresponds to S-4: Fig. No. on Technical Illustration with Parts List.) against AA4-11104 Lead Blade Sub-assembly (S-25) is weak. When the pressure power is too strong, start action in shutter setting becomes heavy.

2) Blades Wrongly Shut, Collision of Blades, Bounding of Following Blade

Make adjustment by AA4-11156 Cover Sub-assembly (S-3) so that the clearance between blade rivet head of the end of arm on AA4-11126 Following Blade Sub-assembly (S-26) and oblong projection of blade rivet head on AA4-11156 Cover Sub-assembly (S-3) will become less than 0.05 mm. In case cover projection holds down rivet head excessively, shutter start action becomes heavy when setting. Also, clearance between blades sometime widens.

3) Arrangement of B-Block (Gear position matching)

i) Bring AA4-11202 Control Cam Sub-assembly (T-24) to left rotation stop position.

ii) Match index of A4-11217 Driving Gear (T-19) with index of AA2-1124 Main Plate Sub-assembly (T-29).

iii) Mesh 2 threads of A4-11240 Set Gear B (T-6) on A4-11217 Driving Gear (T-19).

4) Arrangement of C Block (Cam position matching)

i) Bring Following Blade Release Lever of AA3-1121 Sub-plate Sub-assembly (T-15) to the maximum pushed out position by A4-11266 Following Blade Release Cam (T-22) while rotating A4-11209 Shutter Speed Setting Shaft (T-23).

ii) Fit each parts of C27 ~ C22 in the directions as illustrated.

II. Performance

1) Adjustment of Blade Speed and Irregular Exposure

Blade speed adjustment is to be made by making adjustment of spring torque of A4-11171 Blade Driving Spring (S-16) through A4-11164 Ratchet wheel A (S-15): proper blade speed is 7 ± 3 ms. Blade speed changes in case there is blade squeak, oil shortage, or deformation on AA4-11602 X-lever Sub-assembly, AA4-11156 Cover Sub-assembly.

2) Adjustment of Exposure Time

i) Adjustment at 1/1 sec.

Make adjustment of spring torque of A4-11286 Main Spring (T-17) through spring adjusting ratchet B of AA3-1121 Sub-plate Sub-assembly (T-15): 900 ms - 1,000 ms is adequate.

ii) Adjustment at 1/1000 sec.

Make adjustment of the time of disengagement between Following Blade Release Lever of AA3-1121 Sub-plate Sub-assembly (T-15) and Auxiliary Arm of AA4-11126 Following Blade Sub-assembly by means of bending the hook of Following Blade Release Lever.

(Note) Rectification at 1/1000 sec. makes correction at 1/500, 1/250 unnecessary. Lead Blade Release Lever shall not be rectified in principle.

iii) Adjustment at 1/2 ~ 1/125

After adjustments of above (i) (ii), make adjustments at 1/2 ~ 1/125 sec. Adjustment in this category is to be made by striking out or rubbing down tight Shutter Speed Cam.

3) Remedy of Irregular Action

Correct the play between Following Blade Release Lever of AA3-1121 Sub-plate Sub-assembly and Auxiliary Arm Hook of AA4-11126 Following Blade Sub-assembly to an extent of 0.1 mm - 0.2 mm at the time A4-11325 Release Lever (M-41) is hooked by AA2-11332 Hooked Cam Sub-assembly. Also, irregular action increases in case actions of AA4-11104 Lead Blade Sub-assembly (S-25) and AA4-11126 Following Blade Sub-assembly are heavy. Above modification brings down occurrence of irregular action to less than 15%.

4) Adjustment of Synchronization

i) Adjustment of M Time Lag

Adjustment is to be made by correction of transferable contact point of AA3-1162 Synchro Block Sub-assembly (M-20).

ii) Adjustment of X Time Lag

Adjustment is to be made by correction of contact section of AA4-11653 X-contact Sub-assembly (S-8)

5) Adjustment of Self-timer

Adjustment is to be so made that Timer Stop Lever of AA4-11553 Device Action Block Sub-assembly (M-31) will hold the gear not to start moving when the timer unit is set, and that the timer stop lever does not touch the gear cog ends while the timer in action, rectifying holder part of stop lever.

Please refer to the following standard procedures for assembling and adjusting of shutter.

1. Process Name: Set Gear A Assembly

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Place roller shaft in jig with the stepped side on top.	Pincettes assembly jig 411241-K1.	Refer to Fig.1 of page 26.	
2	Apply grease (G4) to roller shaft (stepped side only).	Small brush		Very small amount.
3	Insert roller into shaft.	Pincette		Be certain to place chamferred side down.
4	Tighten plate screw M1.4 x 1.4	Screw-driver		Tightening torque: must be 800 g-cm or more.
5	Check operation after assembly. Gear B must rotate smoothly and effortlessly when roller is swung with a pair of pincette.	Pincette	Refer to Fig.2 of page 26.	When swung with a pair of pincettes, gear shall rotate around the roller.
	Set gear design differs by type.			

	#240	#241	#242
No. of Gears	30	28	30
Width	2.2	1.6	1.6
O. D.	12.8	12.0	12.8

The roller in #240 set gear A is chamferred.

Note that the number of gears given in the table at left are not those actually provided.

The number of gears provided actually provided on each type are as follows:

#240: 19
#241: 18
#242: 19

2. Process Name: Assembly of Sub-plate Sub-assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Assemble ratchet pawl spring.	Pincette	Refer to Fig.3 of page 26.	Secure spring hook portion firmly.
2	Apply grease to lever shaft.	Small brush	Refer to Fig.4 of page 26.	After applying a thin film of G4 grease, see to it that no mass exists on the shaft.
3	Place lead blade release lever spring in such a way as shown in sketch at right; then, insert lead blade release lever into the shaft.	Pincette		
4	Place following blade release lever spring as shown and insert lead blade release lever into the shaft.	Pincette	Refer to Fig.5 of page 26.	
5	Secure lead and following blade release levers in position using roller screws.			Tightening torque for lead and following blade release levers shall be 600 g-cm or more.
6	Mount the lead and following blade release lever springs onto the spring hook portion.	Pincette	Refer to Fig.6 of page 26.	Best assembly sequence is: First hook spring hook portion onto the lever and then mount the other end in the spring hook portion using a pair of pincettes.
7	Check parts concerned for proper operation. o Operation of ratchet pawl. o Operation of lead and following blade release levers.		Refer to Fig.7 of page 26.	There should be no creaking occurring from the pawl and lever. Also there should be no hooking section or point on neither pawl nor lever.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
8	Cement one end of spring.	Syringe	Refer to Fig.8 of page 26.	Attach spring to sub-plate without exerting undue force.

3. Process Name: Assembly of Main Plate Sub-assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Hook M-lever spring onto the M-contact sub-assembly.	Pincette	Refer to Fig.9 of page 26.	Portion A (see Fig.) of M-lever spring should be hooked onto M-lever, and portion B thereof placed in contact with the bent portion of M-lever.
2	Secure M-contact to the M plate placed on the jig. Tightening torque shall be 600 g-cm or more.	Assembly jig K-11839. Pincette Screw-driver	Refer to Fig.10 of page 26.	When M-contact sub-assembly is secured to the plate, M-lever shall be located outside the M-contact.
3	Hook one end of M-lever spring to the main plate.	Pincette	Refer to Fig.11 of page 26.	Pull out portion B of M-lever spring from a place between the plate and M-lever by means of a pair of pincettes. Then hook this portion to the plate.
4	Place M-control lever spring in position.	Pincette	Refer to Fig.12 of page 26.	Longer end of M-control lever spring shall be hooked onto the plate, and shorter end to M-lever.
5	Check M-lever and M-control lever for proper operation.	Hand		

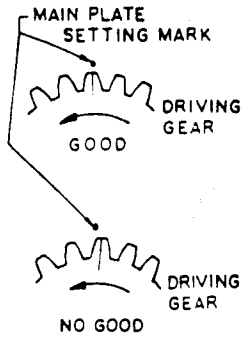
1. Process Name: Control Governor Assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Place main plate sub-assembly in jig with its columns side down.			Plate columns shall be four pieces of long ones.
2	Set control governor assembly to the position of tapped holes.	Pincette		
3	Tighten flat screw 1.4φ x 1.4 at two points. Tightening torque shall be 600 g-cm or more.	Pincette Screw-driver	Refer to Fig.13 of page 26.	Flat screw must be used. (Threaded portion rather small.)
4	Tighten screw for setting gear plate. Tightening torque shall be 600 g-cm or more.	Pincette Screw-driver Syringe		After tightening, attach its head using "Semi Bond".
5	Operation Check: Flip the tip-end of control lever by finger.			See to it that no creaking or unsmooth operation should occur, nor that abnormal sound should develop.
	Main plate sub-assembly differs by configuration. #240 and #241 are identical. #242 has two camera body mounting holes on it.		Refer to Fig.14 of page 26.	

2. Process Name: Assembly of Shutter Speed Setting Shaft.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Apply G4 grease to shutter speed setting shaft hole of main plate sub-assembly.			
2	Place washer (3.1ϕ x 0.1) on shutter speed setting shaft hole of main plate sub-assembly.	Pincette		
3	Place shutter speed setting shaft into control cam and then insert this sub-assembly into shutter speed setting shaft hole of main plate sub-assembly.	Pincette	Refer to Fig.15 of page 27.	In this case, control lever must not come beneath the control cam when the cam is assembled.
4	Mount following blade release cam on the control cam sub-assembly, making sure that its groove is placed in dowel of control cam.	Pincette		Following blade release cam should be placed with its tail down.
5	Mount lead blade release cam on top of following blade release cam; then set notch of the former to the dowel of control cam sub-assembly.	Pincette		Control lever must be in contact with control cam sub-assembly more than two/thirds the thickness of the cam.
6	Force returning secured to control cam sub-assembly against the slide plate dowel.	Pincette	Refer to Fig.16 of page 27.	Apply a thin film of G4 grease to shutter speed setting shaft, lead blade release cam sub-assembly, and following blade release cam sub-assembly. Control cam shall be on the specified side only.

3. Process Name: Driving Shaft Assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Assembly driving shaft with driving gear.		Refer to Fig.17 of page 27.	Move driving gear in the direction of arrow (Refer to Fig.17 of page 27) and then insert it into the shaft with shallower groove side innerwards.
2	Insert driving shaft into driving shaft hole of main plate sub-assembly, while keeping driving gear in engagement with idle gear. (Refer to Fig.18 of page 27.)	Pincette		When engaging gears, be sure to place returning cam on the dowel of slide lever in previous assembly. Never fail to check the position of driving gear setting mark and groove where spring is to be seated.
3	Insert driving spring collar into driving shaft.	Pincette		Rotate driving gear in the direction of
4	Place driving spring in position with its lower end into the groove.	Pincette	Refer to Fig.18 of page 27.	Main plate setting mark.
5	Insert washer(2ϕ x 0.1) into the head of driving shaft.	Pincette		
	P.S. Apply a thin film of G4 grease to the entire driving shaft.			

4. Process Name: Assembly of Sub-Plate Sub-assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Check operation of both lead and following blades.	Pincette		
2	Set sub-plate sub-assembly to mounting hole. Assembly Sequence: a. Insert column into sub-plate hole. b. Set hole of shutter speed setting shaft to that of driving shaft. c. Hold the hole portion of shutter speed setting shaft by hand. d. Set hole of following blade release cam to that of lead blade release cam and insert them into the hole of sub-plate sub-assembly in that order while holding them by a pair of pincettes.	Pincette	Refer to Fig.19 of page 27.	
3	Tighten flat screw (1.4 x 2) made of brass. Tightening torque: 600 g-cm or more.	Pincette Screwdriver		
4	Apply cement to the hole of flat screw (1.4 x 1.8) using small brush.	Small brush		Cement should idcally be administered into the hole of flat screw (1.4ϕ x 1.8). Any cement present outside the chamferred portion must be wiped with a cloth.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
5	Tighten flat screw (1.4φ x 1.8). Tightening torque: 600 g-cm or more.	Pincette Screw-driver		
6	Operation Check: Pinch shutter speed setting shaft by fingers as shown in Fig. (Refer to Fig.20 of page 27 and flip main plate sub-assembly by finger of the other hand. In this case, the sub-assembly should rotate slightly about the shutter speed setting shaft.		Refer to Fig.20 of page 27.	Use sacks in fingers to pinch shutter speed setting shaft.
7	Insert one end of driving spring into one of gear teeth while rotating ratchet gear clockwise by a pair of pincettes.	Pincette	Refer to Fig.21 of page 27.	
8	Operation Check: When driving shaft is rotated counterclockwise with a jig or by hand, there shall be no creaking or the like. When hand is let off, it should return smoothly by tension of spring, and ratchet pawl should not come off, or spring ends now hooked on should not come off.		Refer to Fig.22 of page 28.	

5. Process Name: Clich Spring Assembly

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Set clich spring to mounting hole position.	Pincette	Refer to Fig.23 of page 28.	The bent portion of spring should drop into the hole.
2	Apply a small amount of cement to the tip-end of flat screw (1.4φ x 1.4).	Pincette		
3	Tighten flat screw (1.4 φ x 1.4). Tightening torque: 600 g-cm or more.	Pincette Screwdriver		

	Material	Thickness	Surface Treatment
#240	PBS-H	0.3	None
#241	SK_4-M	0.25	FB
#242	SK_4-M	0.25	FB

All these types are identical in configuration.

6. Process Name: Assembly of Body Release Sub-assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Apply G4 grease to body release lever shaft.	Small brush		Small amount suffices.
2	Insert body release lever sub-assembly into the shaft.	Pincette	Refer to Fig.24 of page 28.	
3	Place spring onto the lever.	Pincette	Refer to Fig.25 of page 28.	Longer spring end should be hooked on easily.
4	Secure flat screw (1.4ϕ x 2.2) to lever shaft and then tighten it down. Tightening torque: 600 g-cm or more.	Pincette Screwdriver	Refer to Fig.26 of page 28.	Do not tighten spring with screw.
5	Hook shorter end of spring onto the hooking portion of lever.	Pincette		
6	Operation Check: Push lever by a pair of pincettes in the direction in which releasing can be made. It is normal when the lever operates smoothly and effortlessly and returns.	Pincette	Refer to Fig.27 of page 28.	

7. Process Name: Set Gear Assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Apply G4 grease to shutter blade plate sub-assembly column.	Small brush	Refer to Fig.28 of page 28.	
2	Put washer (5.1ϕ x 0.1) into the shaft.	Pincette		
3	Fit set gear B into shutter blade plate column.	Pincette	Refer to Fig.29 of page 28.	Gear engaging should be performed with returning cam forced against the dowel of slide lever (driving gear fully turned counterclockwise). Best way to confirm proper engagement, see that tapped hole is in parallel with the third tooth of set gear, as shown.
4	Place washer (3.6ϕ x 2.5) into plate column.	Pincette		
5	Apply G4 grease to slideway on both face of set gear A. In case of #240, be sure to apply grease to inside the chamferred area.	Small brush	Refer to Fig.30 of page 28.	

	#240	#241	#242
No. of Teeth	30	28	30
Width	2.2	1.6	1.6
O.D.	12.8	12.0	12.8

No. of teeth actually provided:

#240 : 19
#241 : 18
#242 : 19

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
6	Place set gear A into plate column and roller shaft into set gear B.	Pincette	Refer to Fig.31 of page 28.	
7	Mount set gear pole into plate column with either end first placed in.	Pincette		
8	Operation Check: Operate set gear A along the periphery of the groove of set gear B. It should move smoothly and without any creaking.		Refer to Fig.32 of page 28.	Check set gear pole with it being fully forced in.

8. Process Name: Assembly of Slide Lever Charge Spring.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Apply G4 grease to (1) dowel contacting face of charge lever hooked cam, and (2) slideway on dowel of slide lever.	Small brush	Refer to Fig.33 of page 29.	
2	Hook slide lever charge spring onto spring hook portion, first from the charge lever end and then the other end.	Pincette		When hooking charge lever, do so with notched side down (main plate side). Hook tip-end of spring onto hooking portion of charge lever as shown in Fig. upward; then, rotate the other end of the spring clockwise by pincettes, while holding ↘ portion by hand, so that charge lever can easily be hooked on.
3	Operation Check; Flip charge lever in such a way that it is pushed upward, and then check spring to see whether or not it comes off or it operates properly.		Refer to Fig.34 of page 29.	

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
				Fig. (center) shows the spring properly hooked on in position.

9. Process Name: Assembly of Release Lever.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Apply G4 grease to lever shaft A.	Small brush		Apply grease, making sure that no other part is covered with it.
2	Place release lever spring in position.	Pincette	Refer to Fig.35 of page 29.	Longer spring end must come towards assembly man when viewed from the side as shown.
3	Mount release lever in position, in such a way that longer end comes on top of the slide lever charge spring.	Pincette	Refer to Fig.36 of page 29.	In this case, it will be more convenient and easier if shorter spring end is hooked on to the lever. See portion ( ) for details.
4	Tighten flat screw (1.4ϕ x 1.8). Tightening torque: 700 g-cm or more.	Pincette Screwdriver		
5	Hook longer spring end to the dowel of spring hooking portion.	Pincette		

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
6	Operation Check: Flip slide lever side of lever. If no creaking is heard, it indicates that operation is normal.		Refer to Fig.37 of page 29.	
7	Apply rokol paste to hooking portion of lever hooked cam.	Small brush		Do not apply the paste to other part or place.

10. Process Name: Assembly of Driving Shaft (2)

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Apply paste to hooked cam.	Small brush	Refer to Fig.38 of page 29.	If release lever is applied with rokol paste in previous process, this procedure may be omitted.
2	Insert hooked cam into driving shaft in direction shown in Fig. Cam shall drop into driving shaft, avoiding the rise of release lever.	Pincette	Refer to Fig.39 of page 29.	In this case, the dowel of cam driving gear must be engaged in a position shown in Fig. All necessary assembly works, insofar as this process is concerned, should be carried out in that condition.
3	Apply rokol paste to B-lever hooked cam.	Small brush	Refer to Fig.40 of page 29.	

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
4	Insert B-lever hooked cam to driving shaft with solid side on top and protruding side down.	Pincette	Refer to Fig.41 of page 29.	
5	Put washer 3.1 ϕ x 0.1 in.	Pincette		
6	Apply G4 grease to M-contact control cam.		Refer to Fig.42 of page 29.	Only to area on the cam as shown in Fig.
7	Insert M-contact control cam into driving shaft with its solid side on top and cut portion on shutter speed setting shaft.	Pincette	Refer to Fig.43 of page 29.	
8	Place washer (3.1ϕ x 1) into driving shaft.	Pincette		
9	Insert slow speed lever into driving shaft with its solid side on top.	Pincette		
10	Apply bonding agent to the tip-end of left-hand side flat screw (1.4ϕ x 1.7)	Pincette	Refer to Fig.44 of page 30.	
11	Tighten left-hand side flat screw (1.4ϕ x 1.7) Tightening torque: 800 g-cm or more.	Pincette Screwdriver		

11. Process Name: Winding of Main Spring.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Wind main spring up to the specified position using winding tool.	Winding tool	Refer to Fig.45 of page 30.	Perform this process with driving shaft detached.
2	Winding range is shown in Fig. Standard range is when ratchet gear portion is within the line connecting driving shaft and lead blade release lever.	(Visually)	Refer to Fig.46 of page 30.	Because this winding is provisional and fine adjustment must be made in subsequent process, care should be taken not to wind it beyond the range shown in Fig. Do not wind more than one turn in direction of winding.

12. Process Name: Assembly of Device Action Block Sub-assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Lubricate timer segment gear shaft with DOS.	Lubricator	Refer to Fig.47 of page 30.	
2	Mount timer retainer E on the main plate sub-assembly.	Pincette	Refer to Fig.48 of page 30.	Set retainer to chamferred portion of main plate sub-assembly with its stepped face down.
3	Operation Check: Check operation of timer stop lever in the device action block sub-assembly. Flip tip-end of stop lever lightly by finger. Its operation is normal if there is no creaking nor dragging, and if it should return by tention of spring.		Refer to Fig.49 of page 30.	

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
4	Mount device action block in main plate sub-assembly. Place timer stop lever in such a way that it comes between slide lever charge spring hool position and dowel of slide lever (1 ϕ x 1.1). See to it that timer lever comes beneath release lever.		Refer to Fig.50 of page 30.	Carefully note the positions of timer stop lever and timer lever. As shown in Fig. it is convenient to determine positions from both sides of lever.
5	Insert screw for setting gear plate and two flat screws into their respective holes. In this case, apply bonding agent to the tip-end of two flat screws.	Pincette	Refer to Fig.51 of page 30.	
6	Tighten screws at three points. Tightening torque: 700 g-cm or more for screw for setting gear plate. 600 g-cm or more for flat screws.	Screw-driver		

13. Process Name: Assembly of Timer Spring.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Pinch larger ring of timer spring by a pair of pincettes.	Pincette	Refer to Fig.52 of page 30.	

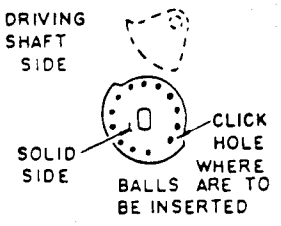
Step	Procedure	Jig and/or Tool Used	Notes	Remarks
2	Hook one end (smaller end) of spring onto spring hook dowel of timer segment gear.	Pincette	Refer to Fig.53 of page 30.	
3	When segment gear side is hooked on, hook the other end thereof to timer spring hook dowel.	Pincette	Refer to Fig.54 of page 31.	
4	Check if the spring is properly hooked on, making sure that segment gear end is positively seated on the groove of dowel.			

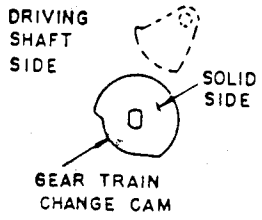
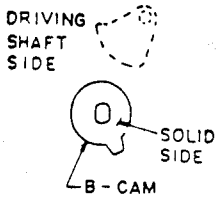
14. Process Name: Timer Operation Check.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Set timer to maximum operating angle.		Refer to Fig.55 of page 31.	See to it that timer is positively set in position. No proper setting may be possible if there is any squeaking or the like in timer stop lever and timer level.
2	Gear should be hooked onto the timer stop lever more than two-thirds of the height of pitch of gear tooth.		Refer to Fig.56 of page 31.	

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
3	Set driving shaft in position.	Pincette	Refer to Fig.57 of page 31.	See to it that timer does not start the moment driving shaft has been set. This may happen if no clearance exists between timer stop lever and slide lever dowel.
4	Release body release lever. Check if anyabnormal operating sound is heard. See to it that timer operates to maximum operating angle positively.			There should never be any wows and flutters. If a space of a. in previous process is large, it is possible that timer stop lever is brought into contact with gear due to vibrations and the like during operation. Therefore, care should be taken to avoid this.
5	Make sure that timer segment gear forces timer lever is, to allow for timer lever hook portion to escape from the slide lever.		Refer to Fig.58 of page 31.	See if release lever is forced up positively and then comes off the hooked cam, thereby causing driving shaft to rotate.
6	See to it that timer continues to operate until segment gear is fully operated to the stopper, even after driving shaft has been released.			It is portable that shock of driving shaft releasing action causes timer stop lever to be hooked onto the gear, thereby stopping timer without it being operated to maximum angle. Thus, care should be taken.

15. Process Name: Assembly of Shutter Speed Setting Shaft.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Apply G4 grease to main plate sub-assembly around shutter speed setting shaft.	Small brush	Refer to Fig. 59 of page 31.	
2	Rotate shutter speed setting shaft by hand and locate outermost position (direction of arrow) to which following blade release lever comes to.		Refer to Fig. 60 of page 31.	When the outermost position has been located, do not move shutter speed setting shaft.
3	Mount 1.5ϕ ball in main plate sub-assembly.	Pincette		
6	Place washer (3.1ϕ x 0.07) in position.	Pincette	Refer to Fig. 61 of page 31.	Make sure that washer does not come into the groove of shutter speed setting shaft.
7	Apply G4 grease to face of anchor cam and ball slide surface.	Small brush	Refer to Fig. 62 of page 31.	Grease to be applied to both shall be very small amount.
	Apply G4 grease to the entire periphery of gear train change cam.	Small brush		
	Apply G4 grease to face of protuded portion of B-cam.	Small brush		
8	Insert anchor cam into shutter speed setting shaft with its solid side on top. In this case, note the position of click holes.	Pincette	Refer to Fig. 63 of page 31.	

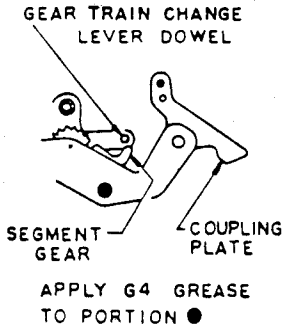
Step	Procedure	Jig and/or Tool Used	Notes	Remarks
9	Insert retainer B (A4-11341) in position.	Pincette		
10	Insert gear train change cam into shutter speed setting shaft with its solid side on top. Round side of gear train change cam comes to driving shaft side.	Pincette	Refer to Fig.64 of page 32.	
11	Insert shutter speed setting shaft retainer C.	Pincette		
12	Insert B-cam with its solid side on top, and protruded side opposite to driving shaft.			

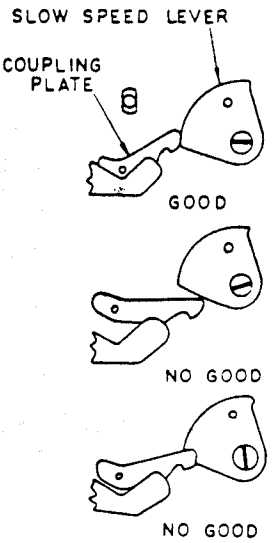
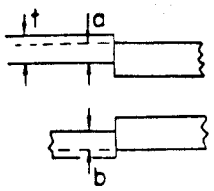
16. Process Name: Main Plate Assembly.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Mount B-lever spring in position. In this case, shorter end must come on B-lever side and longer side on the plate.	Pincette	Refer to Fig.65 of page 32.	This assembly is provisional and, therefore, any squeaking which may exist is not a trouble, because one end of lever spring is hooked on to the plate in subsequent step.
2	Mount the plate in position.	Pincette		Be careful of the positions of M-contact lever and B-lever.
3	Tighten flat screws (1.4 ϕ x 2) at three points. Tightening torque: 600 g-cm or more.	Screwdriver		Remove B-lever spring from the plate. The end now dismounted drops onto the plate pole.

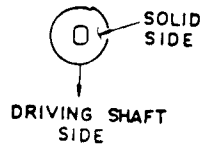
Step	Procedure	Jig and/or Tool Used	Notes	Remarks
4	Remove B-lever spring hooked on the plate.	Pincette	Refer to Fig.66 of page 32.	
5	Operation Check: There shall be no creaking, squeaking, dragging, etc. on B-lever, M-lever, and M-contact lever, Nor is there falling-off of springs.	Pincette		

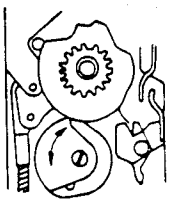
17. Process Name: Assembly of Control Governor Sub-assembly.

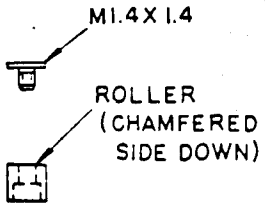
Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Apply G4 grease to tip-end of control governor, dowel sliding portion of segment gear, and cam contacting portion of gear train change lever dowel. Gear train change lever dowel  	Small brush	Refer to Fig.67 of page 32.	When setting control governor sub-assembly to hole, push anchor clutch lever in the direction of an arrow so gear train change lever dowel comes into contact with gear train change cam. Position of control governor gear coupling plate.
2	Set control governor sub-assembly to main plate screw position.			

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
3	Temporarily tighten gear plate setting screw. In this case, loosely tighten screws. Of two screw setting points, one point should be applied with bonding agent.	Pincette Screwdriver	Refer to Fig.68 of page 32.	POSITION OF CONTROL GOVERNOR GEAR COUPLING PLATE 
4	Set gear plate retainer to flat screw hole and insert chamferred portion in between main plate and control governor.	Pincette	Refer to Fig.69 of page 32.	
5	Tighten flat screw with bonding agent applied to its tip-end. Tightening torque: 600 g-cm or more.	Pincette Screwdriver		When tightening, do not apply to much force nor hold it strongly by hand.
6	Tighten gear plate setting screw. Tightening torque: 700 g-cm or more.	Screwdriver		
7	Operation Check: Make sure that when driving shaft is set, control governor returns positively. When released, force coupling plate in without causing slow speed lever to come on top of coupling plate or down.		Refer to Fig.70 of page 32.	Contacting con of control governor and slow speed lever shall be such that portion more than two-thirds of control governor is in contact with slow speed lever.  a and b shall be in contact with each other by more than two-thirdsthickness.

18. Process Name: Assembly of Shutter Speed Setting Shaft (3)

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
1	Insert retainer D into shutter speed setting shaft.	Pincette	Refer to Fig.71 of page 33.	M-contact sub-assembly should be placed with retainer in between.
2	Position solid side of M-contact cam in shutter speed setting shaft in such a way as shown at Fig.71 of page 33.  			This dowel should be in contact with M-contact cam. Dowel should never come beneath the cam.
3	Insert retainer C into shutter speed setting shaft.	Pincette		
4 (1)	FOR FB-240 Insert solid side of shutter speed cam. (Refer to Fig.72 of page 33) Click position shall be 1/2000.	Pincette	Refer to Fig.72 of page 33.	Driving shaft should be assembled with shutter speed cam, with it as being released. Shutter cam is used also for #241.
(2)	Insert shutter speed setting gear to shutter speed setting shaft.		Refer to Fig.73 of page 33.	Shutter speed setting gear (A4-11388).
(3)	Tighten flat screw (1.7ϕ x 2.5). Tightening torque: 900 g-cm or more.	Screwdriver		
5	Operation Check: (1) Check clockwise and counterclockwise rotations of shutter speed setting shaft. There should be no sequeaking, dragging, nor buurs.		Refer to Fig.74 of page 33.	No extremely large difference in weight should occur in clicks during shaft rotation.

Step	Procedure	Jig and/or Tool Used	Notes	Remarks
	(2) Check the operation of B-lever, M-contact sub-assembly, gear anchor, gear train change lever, etc.			Simply check if it is operating, and no careful checking is not necessary. Arrow in Fig. shows each parts operating direction.
	(3) When dial is set to B position, never rotate slow speed lever to bring it into contact with gear coupling plate.	Pincette	Refer to Fig.75 of page 33.	When tip-end of slow speed lever is operated in the direction of arrow at point near coupling plate.  Coupling plate dowel must not move.
	(4) Set shutter speed setting shaft to one second, and now check operation of body only with body release lever released.			Confirm that slow speed lever rotates at about one second.



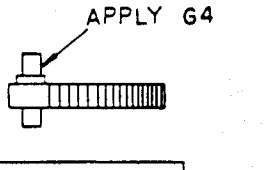


FIG 1

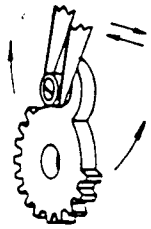


FIG 2

FIG 3

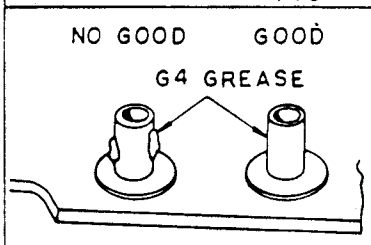
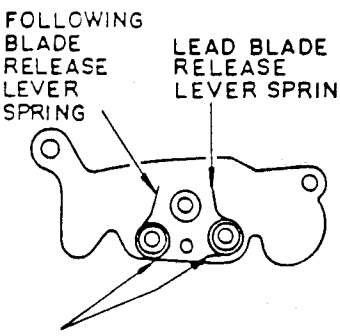
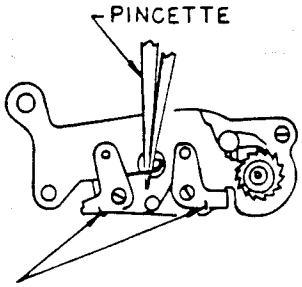


FIG 4



LEAD AND FOLLOWING BLADE RELEASE LEVER CAN BE PUT INTO THE SHAFT MORE EASILY IF SPRINGS ARE PLACED IN SUCH A WAY SHOWN ABOVE

FIG 5



SPRING MUST FIRMLY BE SEATED ON THESE PORTIONS OF THE LEVER

FIG 6

MAKE SURE THAT THE PANEL IS HOOKED FIRMLY AND DOES NOT MOVE BACKWARD

FIG 7

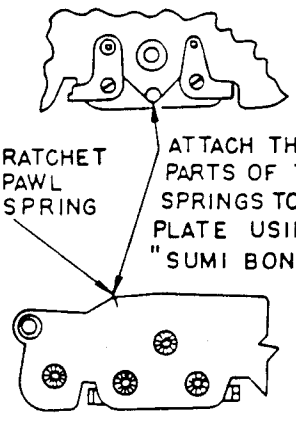


FIG 8

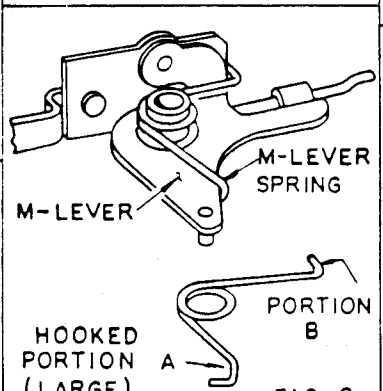


FIG 9

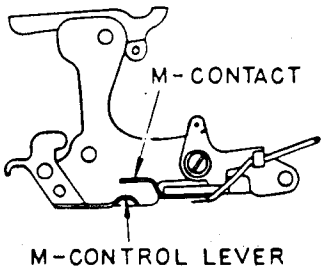


FIG 10

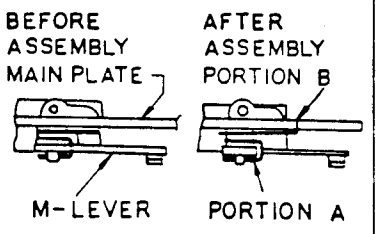


FIG 11

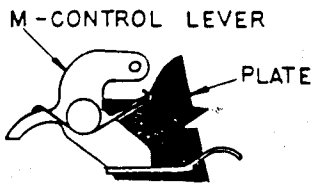
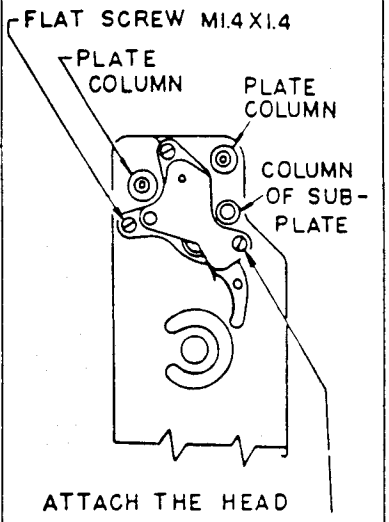
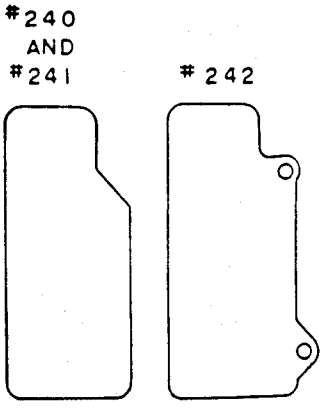


FIG 12



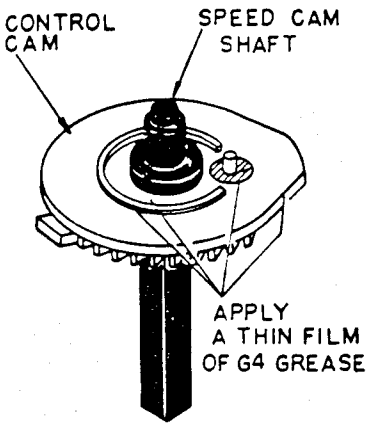
ATTACH THE HEAD OF SCREW FOR SETTING GEAR PLATE

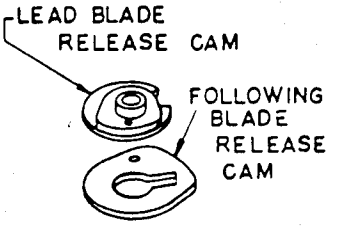
FIG 13



MAIN PLATE SUB-ASSEMBLY DIFFERS ONE FROM ANOTHER DEPENDING ON ITS CONFIGURATION, YOU WILL KNOW WHICH TYPE BY CHECKING CONFIGULATION

FIG 14





CONTROL LEVER MUST BE IN CONTACT WITH CONTROL CAM SUB-ASSEMBLY MORE THAN TWO/THIRDS THE THICKNESS OF THE CAM

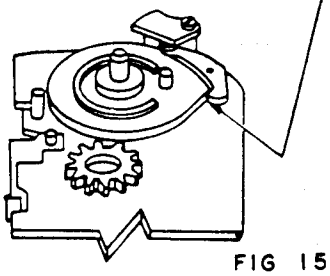
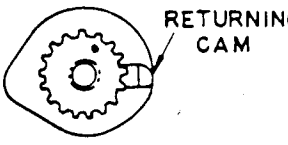


FIG 15



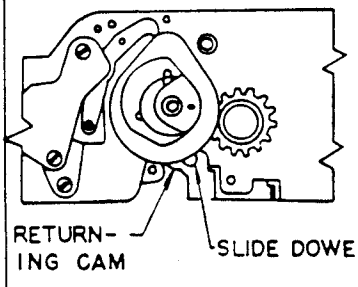


FIG 16

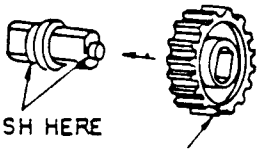
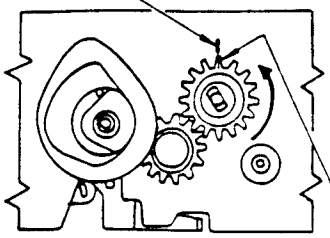
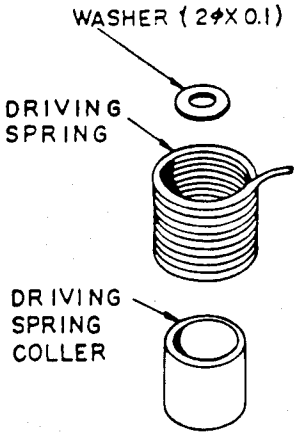


FIG 17



ENGAGE GEARS AT A POSITION WHERE MARKS OF DRIVING GEAR AND MAIN PLATE SET TO EACH OTHER PROPERLY.



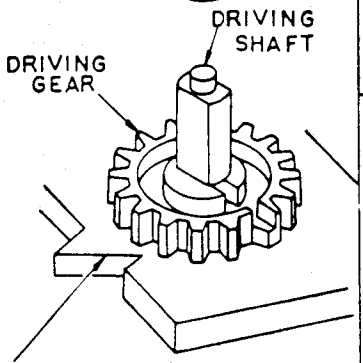


FIG 18

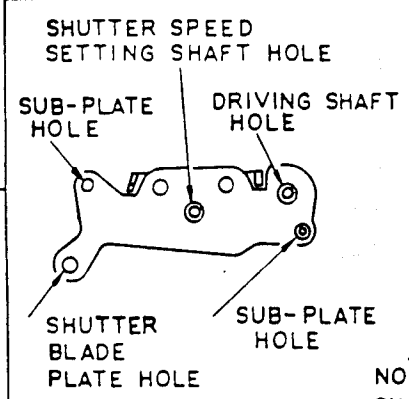


FIG 19

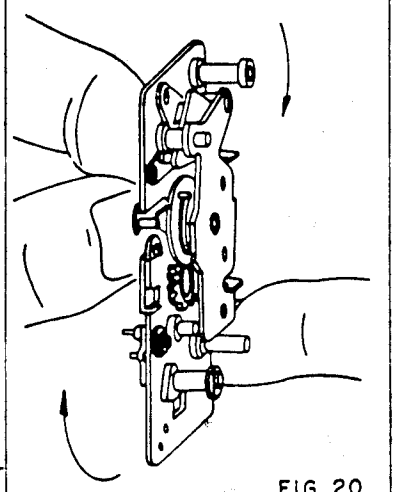


FIG 20

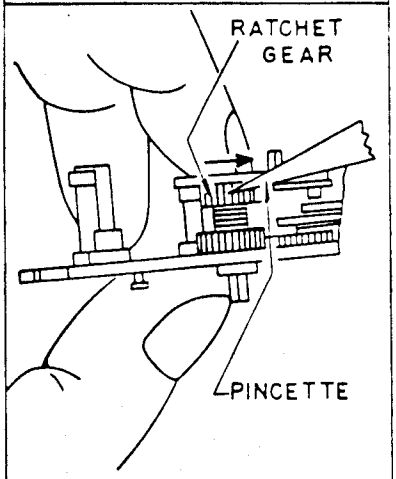
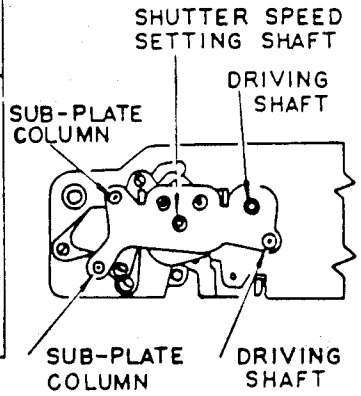
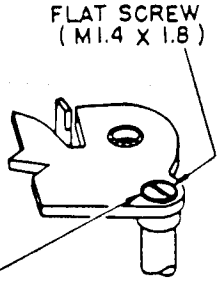


FIG 21





NO OUT FLOW OF CEMENT SHALL BE ALLOWED FROM THE FACE OF SUB-PLATE.

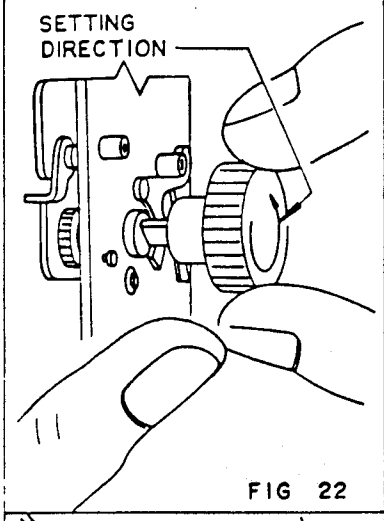
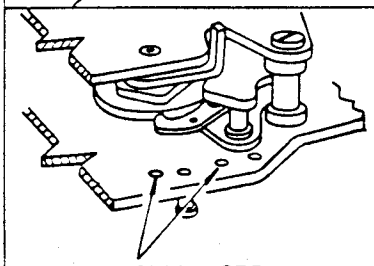


FIG 22



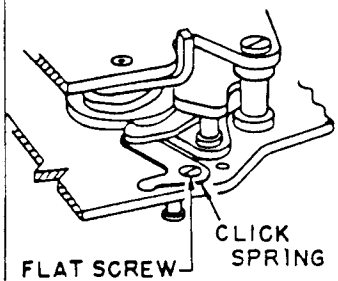


FIG 23

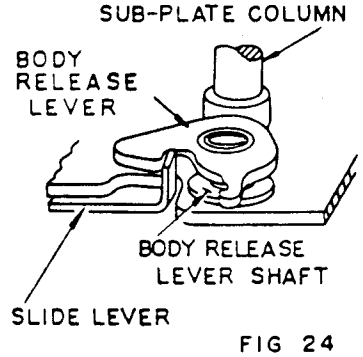


FIG 24

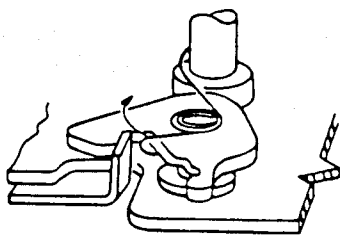


FIG 25

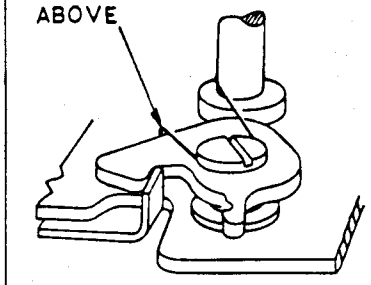


FIG 26

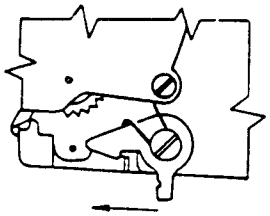


FIG 27

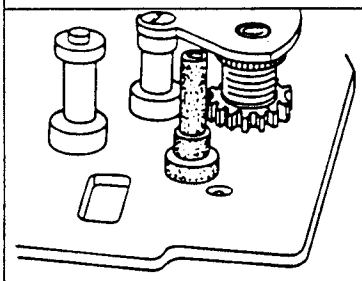
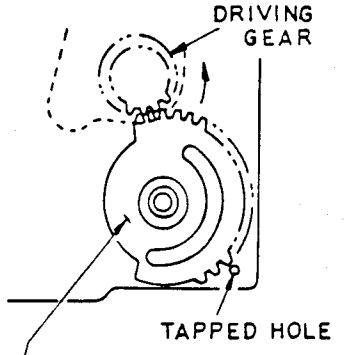


FIG 28



SET GEAR SHOULD BE ENGAGED WITH DRIVING GEAR IN SUCH A WAY AS SHOWN ABOVE, IN OTHER WORDS, TWO TEETH OF SET GEAR MUST ENGAGE WITH TWO TEETH OF DRIVING GEAR.

FIG 29

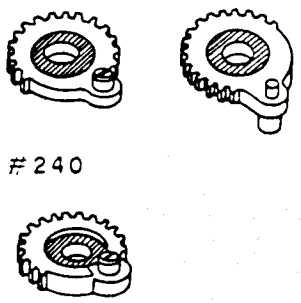
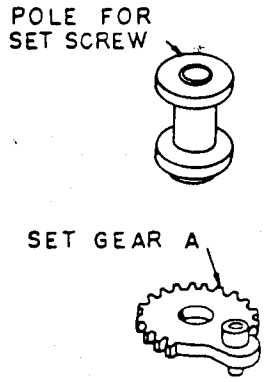


FIG 30



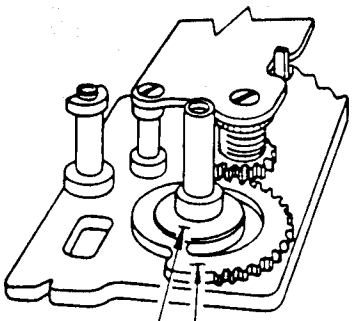


FIG 31

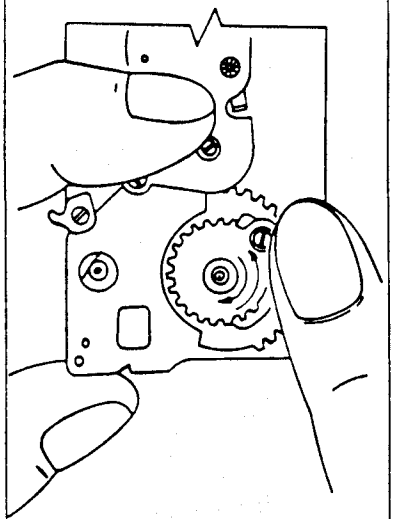
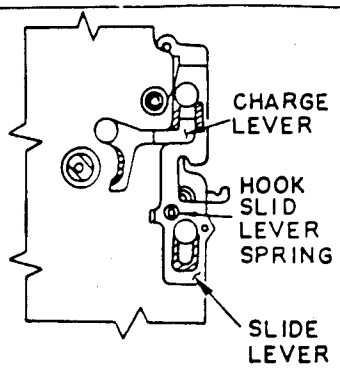


FIG 32



APPLY G4 GREASE TO SHADED AREA

FIG 33

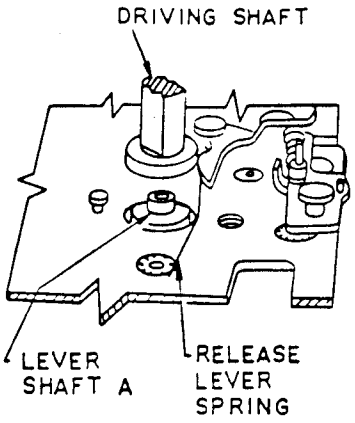


FIG 35

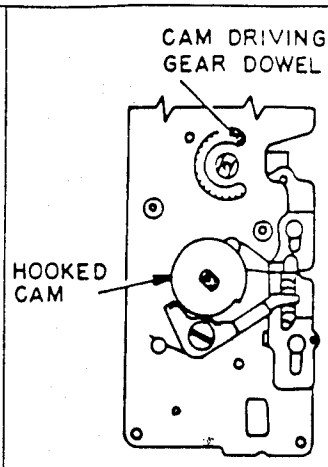
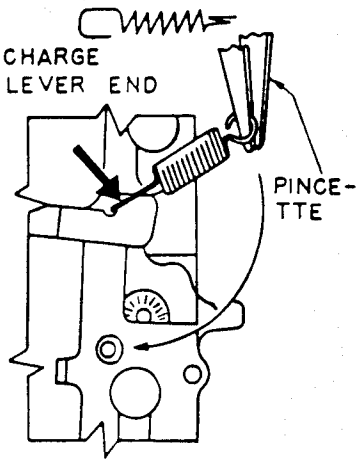
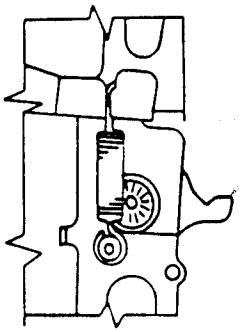


FIG 39

DOWEL SIDE OF SLIDE LEVER





SPRING MUST COME INTO GROOVE COMPLETELY

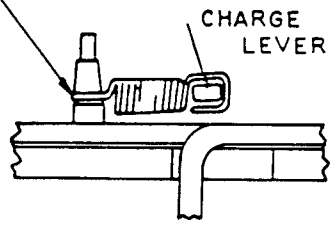


FIG 34

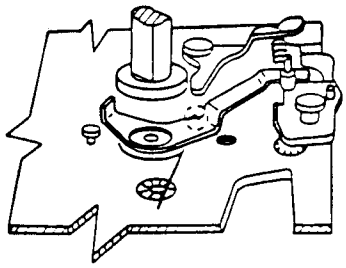


FIG 36

FLIP LEVER IN DIRECTION OF ARROW USING A PAIR OF PINCETTE SO THAT OPERATION CAN NOW BE CHECKED PROPERLY

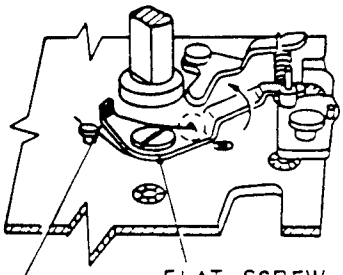


FIG 37

FIG 38

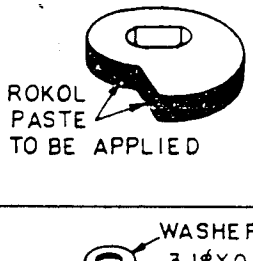


FIG 40

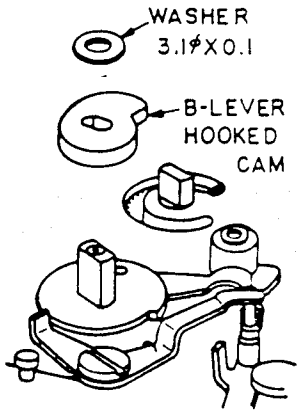


FIG 41

FIG 42

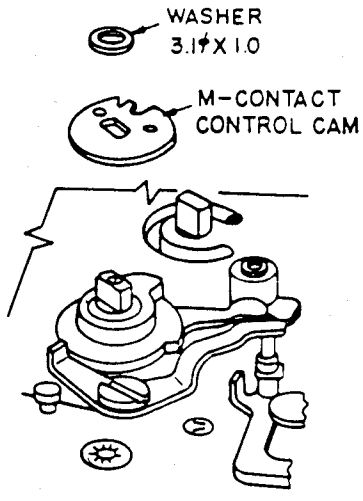


FIG 43

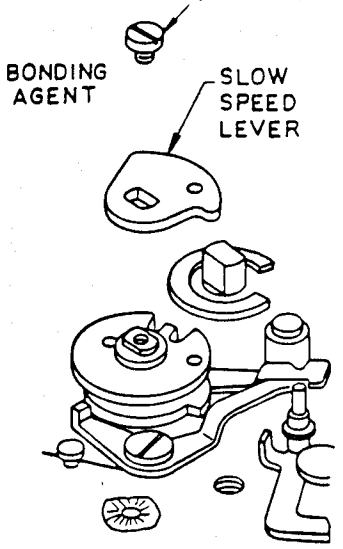


FIG 44

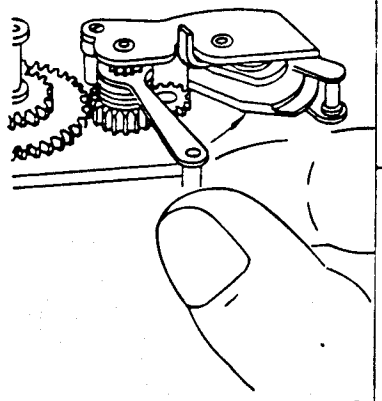


FIG 45

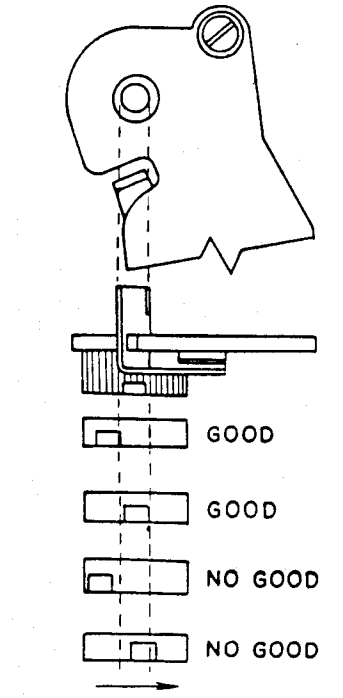
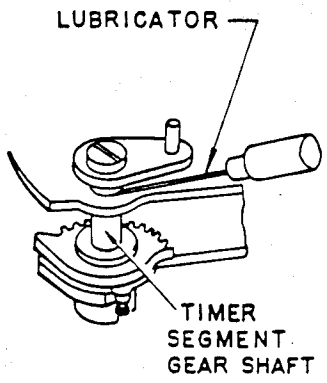


FIG 46



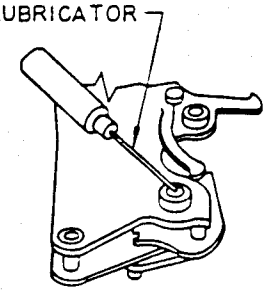


FIG 47

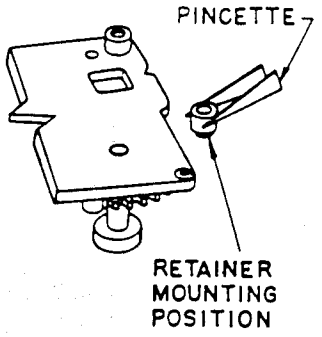


FIG 48

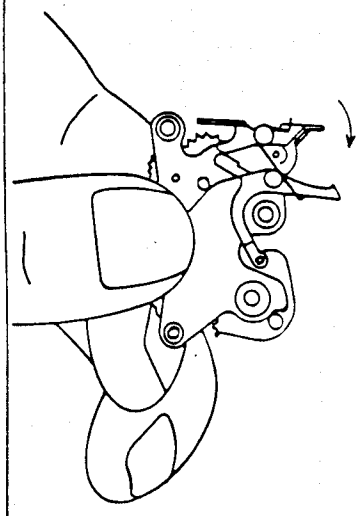
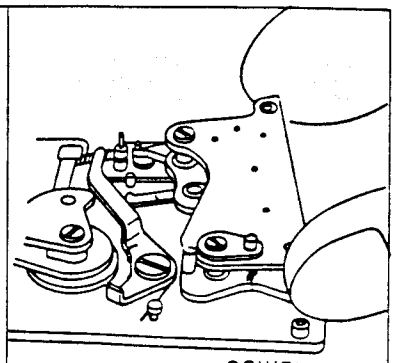


FIG 49



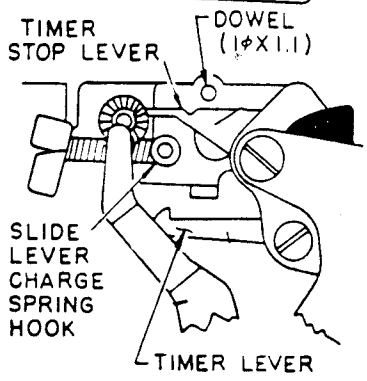


FIG 50

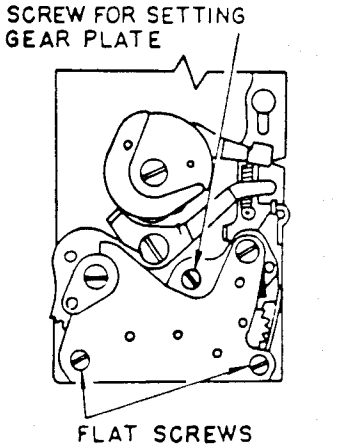


FIG 51

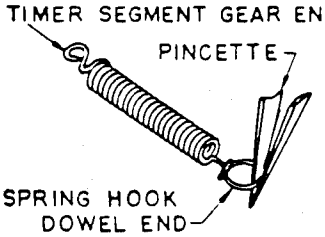


FIG 52

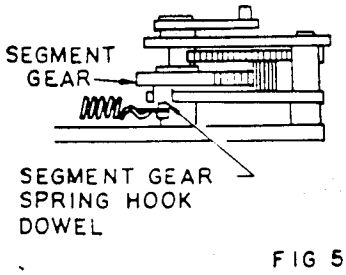


FIG 53

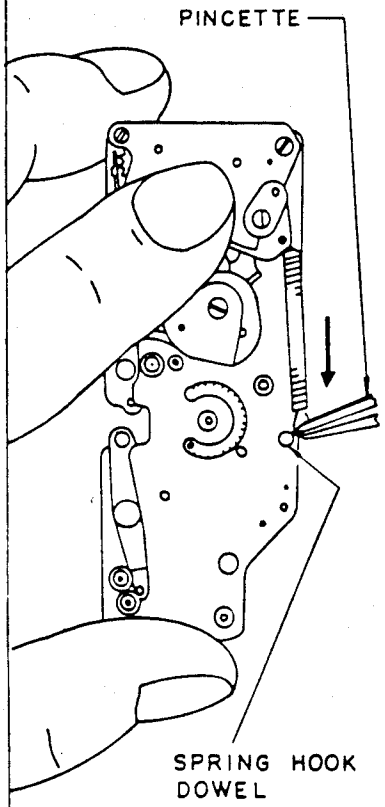
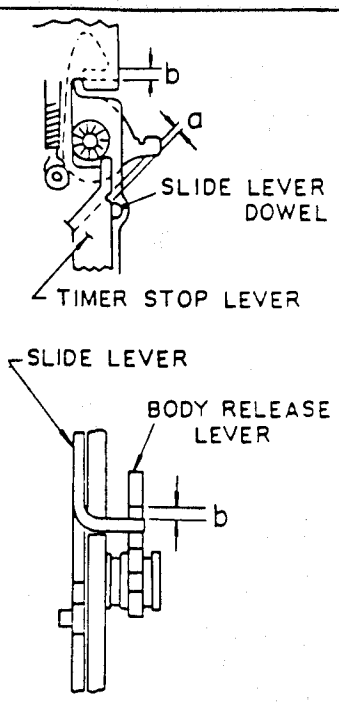


FIG 54



IN CASE a>b, TIMER MAY SOMETIMES START THE MOMENT DRIVING SHAFT IS SET.
CARE SHOULD BE TAKEN TO AVOID THIS.

FIG 57

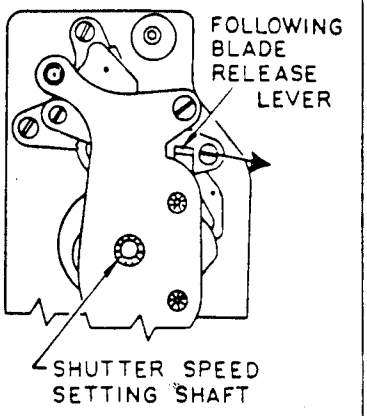


FIG 60

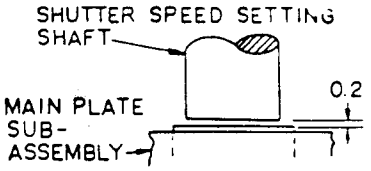


FIG 61

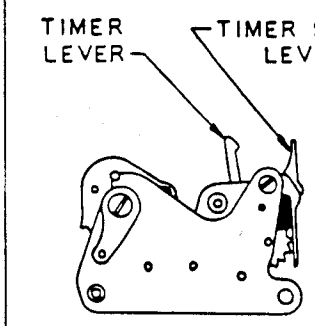


FIG 55

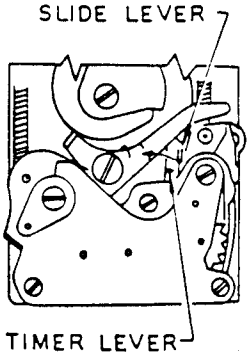


FIG 58

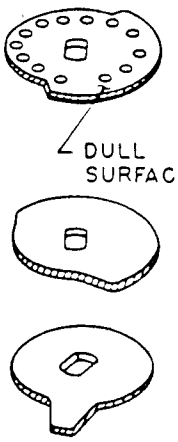


FIG 62

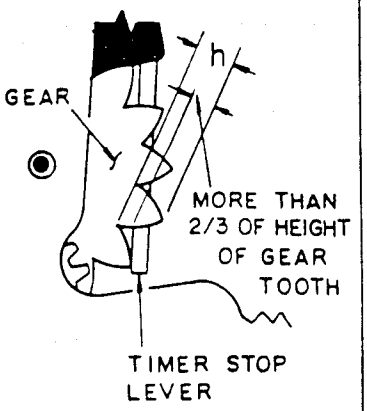


FIG 56

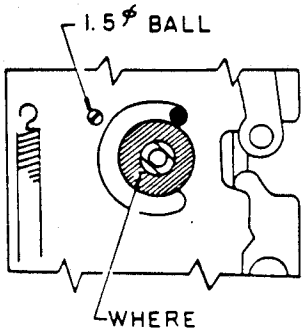


FIG 59

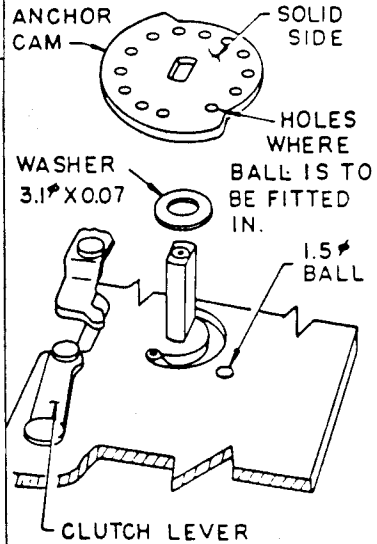


FIG 63

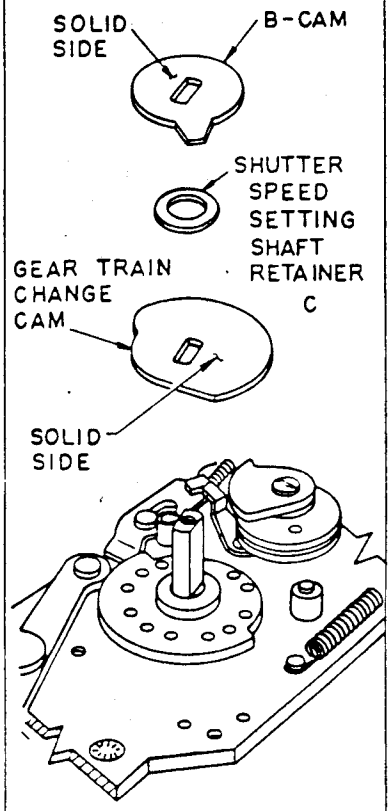


FIG 64

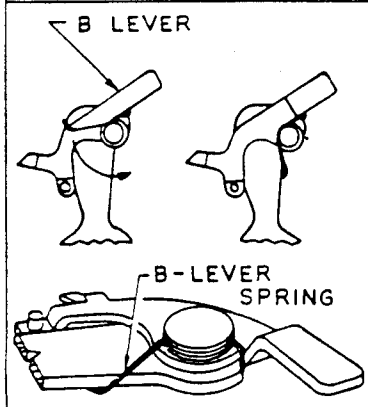


FIG 65

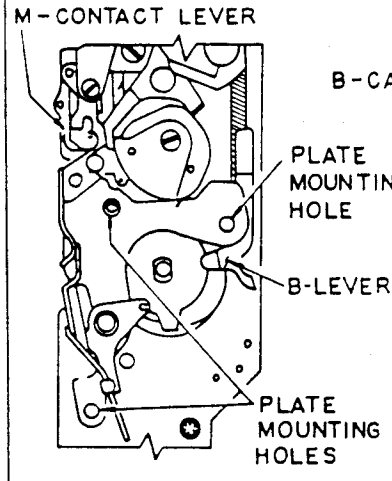
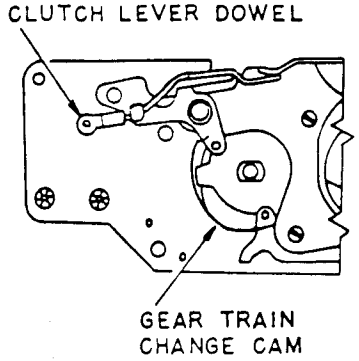


FIG 66



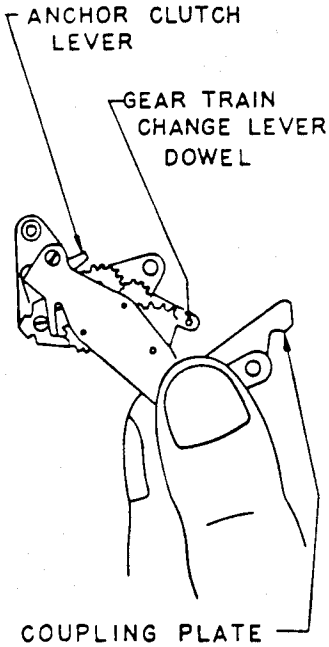
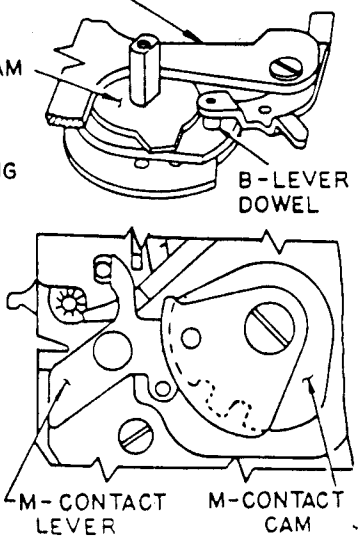


FIG 67


REMOVE B-LEVER SPRING FROM THE PLATE THE END NOW DISMOUNTED DROPS ONTO THE PLATE POLE
B-CAM
B-LEVER DOWEL
M-CONTACT LEVER
M-CONTACT CAM

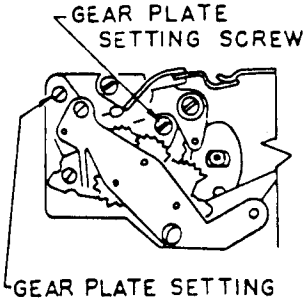


FIG 68

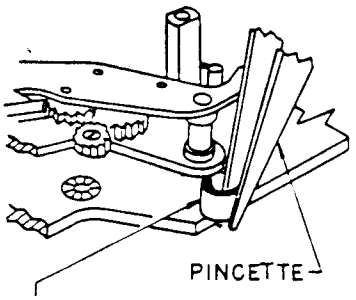


FIG 69

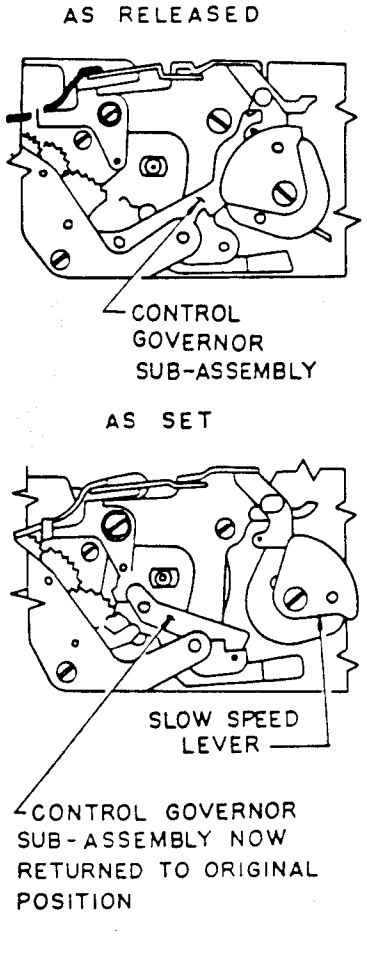
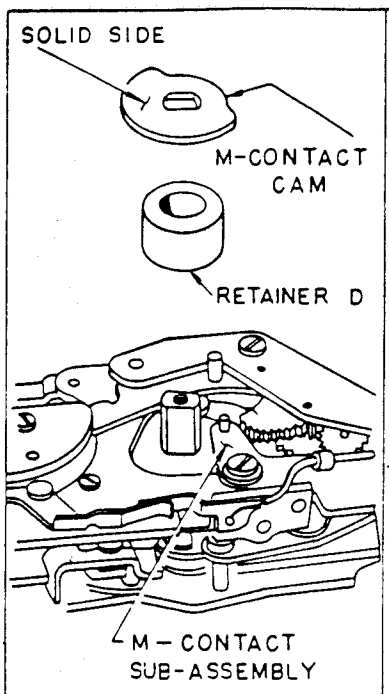


FIG 70



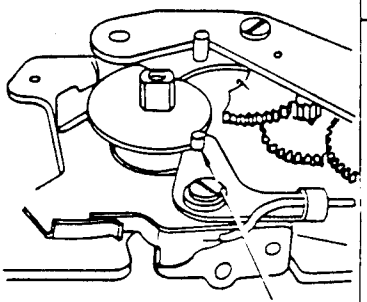


FIG 71

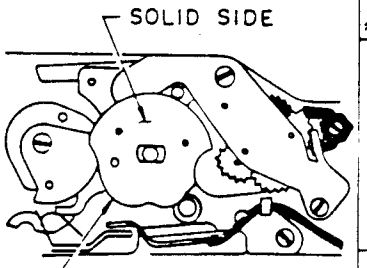


FIG 72

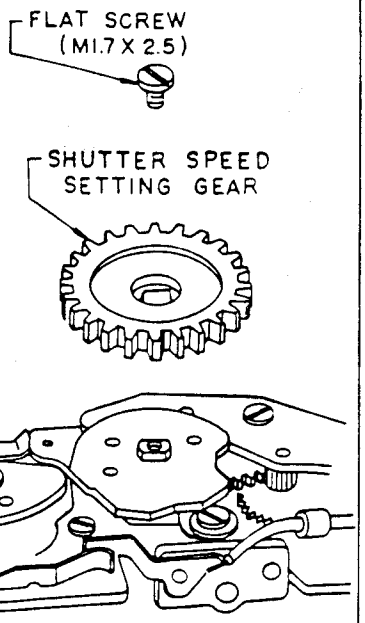


FIG 73

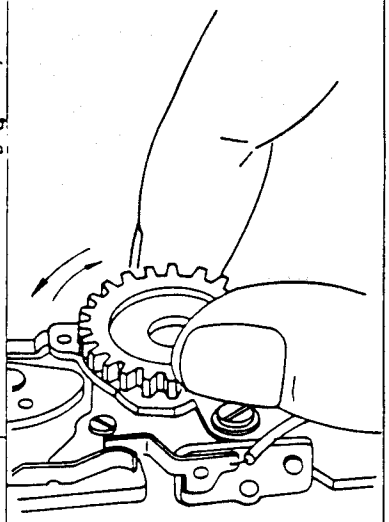
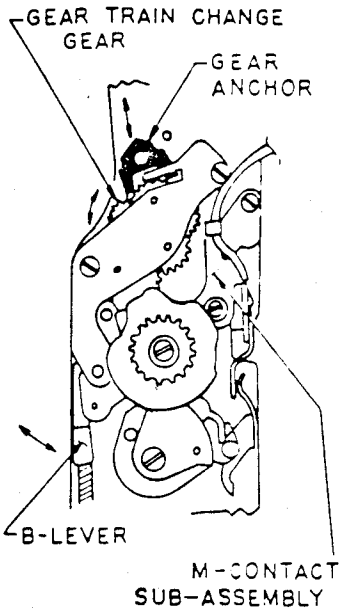


FIG 74



SETTING POSITION OF DRIVING SHAFT

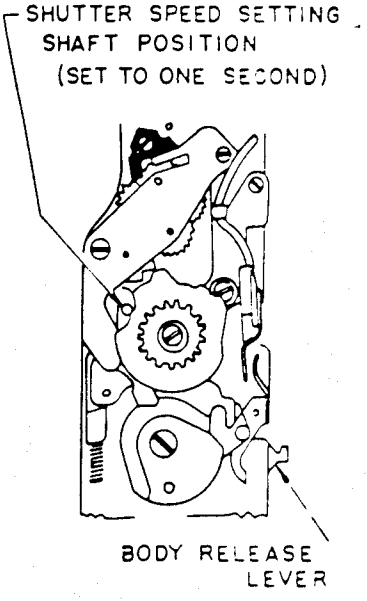


FIG 75